INTERNAL QUALITY ASSURANCE REPORT

3RD QUARTER - JULY TO SEPTEMBER 2024

TAMIL NADU DR. J. JAYALALITHAA FISHERIES UNIVERSITY
Nagapattinam

"HARNESSING THE SCIENCE OF FISHERIES FOR FOOD, NUTRITION & LIVELIHOOD"

ANNEXURE
Internal Quality Assurance Report July to September 2024

Name of the Institute/Directorate : Tamil Nadu Dr. J. Jayalalithaa Fisheries University
Month (1st Quarter/2nd Quarter/3rd Quarter/4th Quarter : 3rd Quarter

Section A: Plan of action chalked out by IQAC in the beginning of the quarter towards quality enhancement

Write a few points regarding the plan of action plan initiated towards the quality enhancement during this quarter and completed.

(i) Fisheries College & Research Institute, Thoothkudi

Action plan	Achieved (in bullets)
• 7 UG and 4 PG courses will be taught • 3 Ph.D students' dissertations will be submitted • Two PG and Three Ph.D students research work will be guided • Regular Project work will be carried out • Three research papers will be communicated • Two research papers will be published	• Research guidance was provided to 8 Ph.D. Students and 5 M.F.Sc students as chairman and member of the advisory committee • Three Ph.D students submitted their dissertations. • Three research projects were in progress. • Four research papers were published • A one-day hands-on Training Programme on "Identification of Shrimps and Crabs" was conducted on 03.09.2024
• 6 B.F.Sc and 6 M.F.Sc. courses were offered, • 6 M.F.Sc and 4 Ph.D students were guided. • External funded projects will be continued • Workshop will be organized	• Research guidance was provided to 4 Ph.D. Students and 6 M.F.Sc students as chairman and member of the advisory committee • One external funded TNSCST project was in progress • One workshop on "AI tools for the beginners" was organized
• 6 UG and 6 PG courses will be handled • Training will be conducted	• A training on "Aqua – Enterprises and Business opportunities" training was conducted during 19.08.2024 - 23.08.2024
• Offering courses to UG and PG • Continuing the PG and PhD research guidance • Undertaking National Surveillance programme for Aquatic Animal Diseases –Phase II scheme till March 2025.	• One PG and three Ph.D students are pursuing their research • Work related to the National Surveillance programme for Aquatic Animal Diseases –Phase II was carried out

• Offering courses to UG and PG • Continuing the PG and PhD research guidance • One training programme/one webinar will be organized • Maintenance of course files Documentation of publications Maintenance of log book for equipment	• 2 M.F.Sc students and 4 Ph.D. students carried out their dissertation work in various departments. • One Training programme / One Webinar were organized. • Files pertaining to the course, publication log book for equipment is being maintained
• Courses for B.F.Sc, and M.F.Sc students. • Guide the Ph.D., and M.F.Sc students • Research papers published from the students research	• 1 Ph.D., and 3 M.F.Sc students were guided. • One research paper was published.
• Offering courses to UG, PG and PhD • Continuing the PG and PhD research Guidance • Self-financing scheme on "Quality analysis of fish samples"	• Samples received from different companies and Scholars were analysed for various analytical parameters and an amount of Rs. 18,750/- and Training amount of Rs. 1,08,000/- was earned as income from this scheme. • A Two days training programme on "Implementation of HACCP in Fish Processing Plants" was conducted from 05.09.2024 to 06.09.2024. Thirty Six (16 Male and 21 Female) participants from various seafood industries took part.
• Courses for B.F.Sc, and M.F.Sc students. • Guide the Ph.D., and M.F.Sc students • Research papers published from the students research • Maintenance of departmental activities through file/registers	• Guided the Ph.D., and M.F.Sc students • List of trainings, webinar, workshop conducted by the department is regularly maintained. • Records of visitors from various academic institution, AV hall, Virtual class room and Auditorium are maintained. • Course file consisting of syllabus, lecture schedule, course content, student attendance of 06 BFSc and 14 MFSc is maintained.

(ii) Dr. M.G.R. Fisheries College & Research Institute, Ponneri

Action plan	Achieved (in bullets)
Online course curriculum development	Completion of an online course curriculum "Pearl spot breeding and culture"
New endowment awards (for other than academic activities like, innovations, entrepreneurships)	Institution of two endowment awards for Best Outgoing students in Fisheries Science
Alumni network strengthening	Conduct of the first Alumni meet of Dr. MGR FC&RI, Ponneri
Placement cell strengthening	Conduct of Placement drive for outgoing B.F.Sc, M.F.Sc and Ph.D. students
ICAR Exam preparation supports mock exam and special lectures	Conduct of ICAR mock tests for III B.F.Sc. students for all subjects by the respective Students Coordinator @ 100 MCQs per subject
Adapting new practices for IQAC	
1. Mentor- Mentee Programme	Conduct of Mentor-Mentee program once in a month
2. Clubs formation	Formation of Aquarium Club to involve students in aquarium activities
3. Academic Audit	Conduct of Academic Audit for each semester courses
4. Blended learning	Handing over of all course materials to the Faculty Dean by faculties, as part of blended learning program
5. Internal Complaints Committee (ICC)	Formation of an Internal Complaints Committee, as per UGC norms along with duties and responsibilities
6. Student's health care service	Increase the utilization percentage of health service by the student and staff
8. Parents Teachers meeting	Conduct of parent teacher meeting for all B.F.Sc batches by the respective Students Coordinator
9. Anti-ragging activity	• Conduct of anti-ragging programme • Formation of anti-ragging committee • Placement of anti-ragging complaint boxes in hostel
10. Tamil textbook preparation	Completion of all Tamil textbooks (allotted to Ponneri campus) compilation and printing works by the respective course teachers
12. Up-dation of student details in UMIS Portal	Updation of students' details in UMIs portal
13. Flipped classroom teaching	Decision taken to implement flipped classroom model of teaching for two courses

(iii) College of Fisheries Engineering, Nagapattinam

Action plan	Achieved (in bullets)
1. AICTE Accreditation	• Acquiring AICTE Accreditation 2024-25 to improve the infrastructure and other facilities as per AICTE norms.
2. ICAR Accreditation	• Acquiring ICAR Accreditation to improve the infrastructure and other facilities as per ICAR norms.
3. NAAC Accreditation	• Acquiring NAAC Accreditation to improve the infrastructure and other facilities as per norms.
4. Academic Audit	• Strengthens the teaching Learning process through formation of class committee, regular conductance of academic audit and getting feedback from the students.
5. Counseling to the Students	• Motivating the students through counseling and regular conducting of parent teachers meeting.
6. R & D Project proposals	• Strengthening the research and extension activities by submitting proposals to external funding agencies.

(iv) Dr. M.G.R. Fisheries College & Research Institute, Thalainayeru

Action plan	Achieved (in bullets)
Education Quality Assurance Committee (EQAC) • MS Office skills training, including Excel, PowerPoint, and Word, will be provided to students by EQAC members throughout the 3rd quarter.	• A series of classes were taken for 2023-24 and 2021-22 batch students on "Excel Tools" and "How to make an effective PowerPoint Presentation" on 11.07.2024 and 26.09.2024, respectively.
• Class committee meetings will be conducted for the II and IV semesters.	• Class committee meetings were conducted for II & IV semester 12.07.2024 and 09.09.2024.
• Pre-midterm feedback will be collected for the II and IV semesters.	• Pre-midterm feedback was collected for II and IV semesters from 06.07.2024 to 29.09.2024.
• Parent-teacher meetings for 1st, 2nd, and 3rd-year students	• The parent-teacher will be conducted in the end of the semester.
<u>Training Quality Assurance Committee (TQAC)</u>	

• Distributing pamphlets regarding upcoming training programmes.	• Circulated the training programme schedule for July to September 2024 through WhatsApp to fish and shrimp farmers.
• Preparation of III Quarter training calendar	• The training calendar for July to September 2024 was prepared
• Organizing committed need-based training programmes for the third quarter.	• A one-day training program on "Retort Technology and its Applications" was conducted by the Department of Fish Processing Technology on 05.07.2024. • A one-day Webinar on "Fish Processing Startups: Exploring Profitable Entrepreneurship Opportunities was organized by the Department of Fish Processing Technology on 05.09.2024. • A 3 days Capacity Building Programme for the Scheduled Caste Fishermen, Farmers, Youth and Women on "Marine and Freshwater Aquaculture Marketing System and Distribution Channels" was conducted by Dept. of Aquaculture during the period 28.8.2024 to 30.8.2024. • The Department of Aquaculture organized a National Webinar on "Sustainable Aquaculture Innovations: Empowering Fish Farmers for a Thriving Future" on National Fish Farmers Day, July 10, 2024. • The Department of Fish Pathology and Health Management conducted a three-day hands-on training program in Aquatic Microbiology from August 21st to 23rd, 2024. • Entrepreneurship Development Programme on Thermal Processing, Curing, Baking, and Extrusion of Fish & Fishery Products was organized by the Department of Fish Processing Technology from 19.09.2024 to 23.09.2024. • The Department of Aquaculture organized a 5 days Skill Development programme on "Best Management Practices and Technology For Doubling the Income of Fish Farmers" from 22.07.2024 to 26.07.2024 sponsored by National Fisheries Development Board (NFDB), Hyderabad, Coordinated by National Institute of Agricultural Extension Management (MANAGE), Hyderabad. • A talk on "Enhancing Quality and Performance in Higher Education: NAAC Reforms and IQAC Activities" was organized on September 30, 2024, via Google Meet. Dr. P.Dhasarathan, IQAC Coordinator, Madha Group

	of Institutions, delivered the lecture.
Research & Development Committee (R & D) • A consultant talk on the topic of "Enhancing Quality and Performance in Higher Education: NAAC Reforms and	• Research proposal on "Empowering Rural Farmers Through Seed Production and Rearing Technology of Striped Murrel in the Cauvery Delta Region" submitted to PMMSY with budget outlay of Rs. 197 lakhs on 05.07.2024.
• Faculties will be facilitated to submit research proposals in response to calls from funding agencies • Inter-departmental and inter-institutional research projects will be initiated and supported.	• Project on nutrient evaluation of retorted Artemia biomass discussed with Mr. Richard, Entrepreneur on 23.08.2024.
Administrative Quality Assurance Committee (AQAC) • A talk by Mr. Mathivannan on filling of e-tender will be organized.	• A training was organized on Office Procedures for the staff of the Institute on 26.09.2024 and 27.09.2024. Mr. P.D.Mathivanan, Personal Assistant (Accts) to Commissioner of Fisheries (Retd.) served as the resource person.
Sports and Co-curricular Development Committee (SCDC): • Inter college event "KAYALVIZHA" will be organized between 25.07.2024 and 26.07.2024. • College day, sports day and Hostel day will be organized	• The Students' Association organized the Kayal Vizha intercollegiate cultural and sports competition on August 1-2, 2024. • Hostel Day and Sports & College Day 2024 were celebrated on August 27, Hostel Day featured five teams, with the Red team winning and Blue as the runner-up. Dr. A. Kalaiselvan, Dean of University College of Engineering, was the Chief Guest.
Placement and Business Promotion Committee (PBPC) • To conduct a student motivation program and skill development for the students.	• Sports & College Day, held on September 4, had Mr. C. Subash Chandra Bose, Deputy Superintendent of Police, as Chief Guest. II B.F.Sc students won the Sports Day trophy, while III B.F.Sc students took the College Day trophy. • A skill motivation program on "Online Live streaming video programme on Ornamental fish farming" was conducted on 08.07.2024 at Dr.

	MGR FC&RI, Thalainayeru. Mr. V. Rajaraman, Raj Aqua clinic, Kolathur, Chennai as the resource person and has delivered a talk cum live video sessions on Ornamental fish farming cum marketing. • A skill development program on "Career Guidance: Career counselling for Students" was conducted on 12.07.2024. Mr. Abraham Rajesh, Geebee Education, Chennai as the resource person and team has delivered a talk cum activities sessions on Guidance on Career counselling for higher education in Abroad for the students.

(v) Institute of Fisheries Biotechnology, Chennai

Action plan	Achieved (in bullets)
1. Revision of B.Tech. Biotechnology syllabus	Held an internal meeting of faculty members of IFBT and revised the syllabus for 10 Fishery related courses. Revision for other courses is in progress
2. Feedback from students	Instructed students to upload the feedback for the recently concluded courses
3. Appreciation of students by rewarding for their academic performance	Academic Proficiency award was given to the toppers in the First year and Third year
4. Introducing 'Blended Teaching Methods'	"Class Video Activity' has been introduced for easy understanding of specific topics A Workshop on Entrepreneurship' was organized on 28.06.2024 for the benefit of the B.Tech. Biotechnology students. Experts from Biotechnology, Food Technology and Management delivered Entrepreneurship related lectures and interacted with the students

(vi) Institute of Fisheries Postgraduate Studies, Chennai

Action plan	Achieved (in bullets)
Feedback from students	Downloading of feedback from students and staff are being initiated as on date that has been received. However, we are not able to get clear picture about the evaluation paternmade by the students since it seems to be cumulative data and not batchwise of students of this institute. Needs clarification.

Proposal to send for inclusion of Fish Pharmacology and Toxicology under Animal Health Management to ASSRB for NET/ARS exam	Necessary proposals has been routed through University for inclusion of Fish Pharmacology and Toxicology under Animal Health Management in Fish Health

(vii) TNJFU Fisheries Business School, Chennai

Action plan	Achieved (in bullets)
Intensify placement activities by strengthening contact with various fisheries national and MNCs for the passed-out students and Final MBA students.	• Contacted with various fisheries national and MNCs such as BMR groups, AquaconnectPvt. Ltd., Skretting, CPF, Avanti etc. for the placement of final year MBA and passed out students • Arranged an off-campus placement drive for final year BBA and MBA students by CP Aquaculture Pvt. Ltd. • Successfully organized a campus placement drive that featured Avanti Feeds Limited for final year BBA and MBA students
The syllabi of BBA and MBA in Fisheries Enterprises Management to be modified for the academic year 2024-25 onwards.	• Individual course teachers have been assigned to review and update the syllabus within their respective areas of expertise for both the BBA and MBA programs.
Rough Draft of the syllabi for the BBA and MBA in Fisheries Enterprises management to be discussed and submitted to the Higher authorities for approval.	• The course instructors are currently working on the revisions, which will be forwarded to external experts for their review and recommendations regarding syllabus modifications.
Encouraging students and teachers for publishing articles in Scopus and Web of Science Journals in fisheries and allied sector.	• Special sessions have been conducted by the FBS faculty members to guide students on research methodologies, manuscript preparation, and submission processes for publishing articles in Scopus and Web of Science-indexed journals related to fisheries and allied sectors.

(viii) College of Fish Nutrition & Food Technology, Madhavaram

Action plan	Achieved (in bullets)
Students feedback should be collected periodically	• Feedback forms were submitted by the 2023 – 2024 batch students on 28.08.2024 • Feedback forms were submitted by the 2022 – 2023 batch students on 23.08.2024

External member and Alumni representative suggested that Spoken English and Personality Development class for the students need to be conducted.	• Dr. R. Brimapureeswaran has approached visiting faculty Ms. P. Anitha Ramesh, M.A., M.Ed. to conduct the Spoken English class every Monday for II semester students of B.Tech. (Food Technology) batch 2023 - 2024
External member suggested to have Industry students interaction once in a month.	• CFNFT organized an online guest lecture on **'Food Safety Standards and Certifications'** on **16th July, 2024**. The lecture was delivered by Guest speaker Mr. Sreedath Tulamndi, Product Manager (Food Services), SGS India Pvt Ltd. II and III year students of B. Tech Food Technology attended the session and interacted with the Industry Expert.
Faculty should conduct short test / quiz at the end of completion of each unit	• The tests are being conducted with objective questions by using Google forms. • Faculty give tips to students for easy learning. • For each subject unit wise test / quiz is being conducted by some Course Teachers

(ix) Directorate of Incubation and Vocational Training in Aquaculture, ECR, Muttukadu.

Action plan	Achieved (in bullets)
The following things were chalked out • Regularly update and revise the curriculum to include the latest advancements in fisheries science and technology. • Organize workshops, seminars, and training programs for faculty to keep them updated with current trends and teaching methodologies. • Promote research activities among students and faculty by providing grants and resources. • Strengthen academic counselling	• Regularly updated and revised the curriculum to include latest advancement in fisheries and technology • The faculties were encouraged to keep update with current trends and teaching methodologies • Promoted research activities to students and encouraged faculties to linkage with various aquaculture industries. • Strengthen the academic counselling and mentoring services • Upgraded laboratory facilities with

and mentoring services. • Upgrade laboratory facilities with modern equipment and technology. • Develop partnerships with fisheries industries for internships, training, and placement opportunities. • Implement a robust feedback mechanism from students, alumni, and industry partners. • Promote extracurricular and co-curricular activities to enhance the overall development of students. • Incorporate e-learning platforms and digital resources in the teaching-learning process. • Integrate sustainability and environmental conservation topics into the curriculum.	modern equipment and technology. • Developed partnership with aqua industries and sent the B.Voc (IA) students for internship and created job opportunities with industries • Implemented a robust feedback mechanism from students, alumni, and industry partners. • Promoted extracurricular and co-curricular activities to enhance the overall development of students ans NSS activities were done by B.Voc (IA) students • Incorporated e-learning platforms and digital resources in the teaching-learning process. • Integrated sustainability and environmental conservation topics into the curriculum • Conducted Coastal cleanup day at Kovalam beach on 21st September to conservation of natural resources • Class committee meeting was conducted on August 2024 • Students grievance redressal meeting was conducted to the B.Voc (IA) students • Anti-ragging awareness meeting was conducted to the I yr B.Voc. • Conducted periodical quiz to improve the curriculum. • Developed game facilities to B.Voc students • Tree plantation was done for greening of DIVA campus

(x) Directorate of Incubation and Vocational Training in Fisheries, Ramanathapuram.

PPIFT, Ramanathapuram – July 2024		
1.	Preparation of revised DCB budget 2024-25 details	First and second week of July 2024
2.	Monthly report preparation	
3.	Conduct of Training	
4.	Preparation of Training detail	
5.	Kargil Vijay Diwas's action plan preparation	
6.	Preparation of Rajya Sabha questions and answers details	
7.	Preparation of 9th TNJFU convocation exhibition details	
8.	Preparation of Audit reply details	
		Third and fourth week of July 2024
9.	Preparation of B.Voc. (IFT) students' convocation details	
10.	Preparation of permission to visit fishing-related places/factories of the Kanyakumari	
11.	Preparation of 73rd USO meeting ATR	
12.	Preparation of Training detail	
13.	Preparation of B.Tech. (FNT) students' convocation details were	
14.	Preparation of Tamil Pudhalvan details	
15.	Preparation of Kargil Vijay Diwas's ATR	
16.	Preparation of Information on students employed in the Agriculture sector details	
17.	Preparation of Revised Tamil Pudhalvan details	
18.	Preparation of Kayalvizha inter-college competition participation details	
19.	Preparation of Vocational course details in AUs	
PPIFT, Ramanathapuram – May 2024		
20.	Newsletter report preparation	The first and second week of August 2024
21.	Tamil Pudhalvan students details	
22.	Monthly report compliation	
23.	B.Voc. degree program details	

24.	Accrued account details	
25.	NADP scheme success story details	Third week and fourth week of August 2024
26.	Extension activities details	
27.	Revised DCB 2023-24 & 2024-25 details	
PPIFT, Ramanathapuram – September 2024		
28.	Newsletter report	The first, second, Third, and fourth weeks of September 2024
29.	Revised DCB statements 2023-24 & 2024-25	
30.	2020-21 batch students' EMIS details	
31.	Tamil Pudhalvan and Pudhumaipenn scheme students' details	
32.	II semester final practical and semester completion reports	
33.	Discontinued student detail	
34.	Inactive and active case details	
35.	BC/MBC scholarship issue details	
36.	First-year admitted students'	
37.	IV semester final practical and semester completion reports	
38.	IV semester final practical and semester completion reports	
39.	II semester exam application details	
40.	Academic particulars	

Section B: Details of the following activities – The formats given below may not be modified and the particulars to be given only for the specific quarter.

1. **Activities reflecting the goals and objectives of the institute**

(i) Fisheries College & Research Institute, Thoothkudi

Sl.No	Name of the Activities
1.	• Research guidance was provided to 8 Ph.D. Students and 5 M.F.Sc students as chairman and member of the advisory committee
2.	• Research guidance to students pursuing M.F.sC and Ph.D in Aquatic Animal Health • Undertaking National Surveillance programme for Aquatic Animal Diseases-Phase II scheme till March 2025.
4.	• Guided the Ph.D., and M.F.Sc students • Published research papers from the students' research • Maintenance of departmental activities through file/registers

(ii) Dr. M.G.R. Fisheries College & Research Institute, Ponneri

Sl.No	Name of the Activities
1.	• B.F.Sc, M.F.Sc (6 disciplines) and Ph.D. (4 disciplines) programs are offered in Dr. M.G.R. Fisheries College and Research Institute, Ponneri campus • A total of 13 M.F.Sc and 08 Ph.D students undertake research in various fisheries and aquaculture technologies for utilization of judicial utilization of fisheries resources. • A total of five research projects are being undertaken by faculties – notable ones on influence of climatic factors on antibiotic resistance Salmonella strains in farmed shrimp culture systems, seaweed tissue culture, • Awareness programs, special programs, important UN day celebration and guest lectures organized for the benefits of students • Tailor-made awareness programme on "Live feed culture for ornamental fish" conducted for ornamental fish farmers during this quarter. • Internal complaint cell and anti-ragging committee were formed; and complaint boxes for collecting internal complaints and anti-ragging complaints placed in college campus and hostel premises.

(iii) College of Fisheries Engineering, Nagapattinam

Sl.No	Name of the Activities
i	Extension of approval for the course B.Tech Fisheries Engineering for AICTE updating for the academic year 2023-24
ii.	AICTE approval to For B.Tech.(Energy and Environmental Engineering) letter was received from AICTE stating that AICTE approval for the course under UG Approved Nomenclature Kindly refer to your letter no .4928/TNJFU/B1/Edn./B.Tech(EEE)/AICTE/2022 dated 23.11.2022 on the above noted subject. Your proposal for inclusion of B.Tech (Energy and Environmental Engineering) was placed before the All India Board of Under Graduate Studies in Engineering and Technology in its meeting held on 21.01.2023 for its consideration. The board deliberated on the proposal and re commended that the institute may align the course nomenclatures with AICTE's already existing nomenclatures available in the list of approved nomenclatures such as "Energy and Environment Management" etc. Also this college is appealed or reconsider for inclusion of the course B.Tech(Energy and Environmental Engineering) in the nomenclature on 05.06.2024
iii.	Efforts are under progress to get NBA accreditation for the course B.Tech.(Fisheries Engineering) since ICAR declined to approve the course.
iv.	All year Co-ordinators' were instructed to conduct the class committee meeting (two times), parent teachers meeting (one time) and obtain feedback from the students (two times in a semester) IC No : No.4/COFE/NGPT/IQAC/2023
v.	4 students counsellors were nominated for each batch of Student (for every 10 student one counsellor) IC No : No.5/COFE/NGPT/IQAC/2023

vi.	Faculties are encouraged to submit research and extension proposal for external funding. As a result 2 research proposals were submitted for funding in this quarter

(iv) Dr. M.G.R. Fisheries College & Research Institute, Thalainayeru

Sl. No.	Name of the Activities
	Activities carried out under Objective 3 Training programmes conducted:

Sl. No.	Title	Date & Venue	Online / Offline	Funding Agency	No. of participants (Male/ Female)
1.	Retorting of Fish and Fishery Products	05.07.2024 Dr. MGR FC&RI,TNR	Offline	Dr. MGR FC&RI, TNR	6 (M-3/F-3)
2.	Best management practices and technology for doubling the income of fish farmers	22.07.2024 - 26.07.2024 Dr. MGR FC&RI,TNR	Offline	MANAGE	35 (M-30/F-5)
3.	Entrepreneurship Development Programme on Thermal Processing, Curing, Baking, and Extrusion of Fish and Fishery Products	19.08.2024 to 23.08.2024 Dr. MGR FC&RI,TNR	Offline	Paid training	44 (M-3/F-41)
4.	Marine and Freshwater aquaculture marketing system & distribution channels	28.08.2024 to 30.08.2024 Dr. MGR FC&RI,TNR	Offline	MANAGE	50 (M-5/F-45)
5.	Hands on Training in Aquatic Microbiology	21.08.2024 to 23.08.2024 Dr. MGR FC&RI,TNR	Offline	Paid training	5 (M-3/F-2)
6.	Fish Processing Start-ups: Exploring Profitable Entrepreneurship Opportunities	05.09.2024	Offline	Paid	Students-80 Faculty-43 (Organized by DFPT)
7.	5 Days Hands-on Training on	16.09.2024 to	Offline	USFDA	10 (1/9)

	Environmental Sampling and WGS (Organised by FDA)	20.09.2024 Dr. MGR FC&RI, TNR			

Guest lectures given by faculties:

Sl. No.	Title	Name of Faculty	Date & Venue	Online/Off line	Funding agency
1.	Seafood as a source of high-quality protein and its importance in a balanced diet	Dr.S. Balasundari	09.08.2024 at College of Poultry Production and Management (CPPM), Hosur	Offline	AICTE, GOI, New Delhi
2.	Primary Fisheries Cooperative Societies (PFCS) to strengthen as FFPOs under PMMSY	Dr.V.Senthilkumar	02.08.2024 at Madurai	Offline	National Cooperative Development Corporation (NCDC), Chennai
3.	Composite fish culture	Mr.M.Mohammed Faizullah	22.08.2024 at Office of the Assistant Director of Agriculture Thalainayeru block	Offline	Department of Agriculture, ATMA Scheme

(v) College of Fish Nutrition & Food Technology, Madhavaram

Sl.No	Name of the Activities
1.	Industrial Visit for each subject by the respective course teachers - the students will get to explore and gain knowledge from industry / company has planned
2.	Encouraged students to participate in the BIS Competition
3.	Motivated students to publish article / research papers in the popular journals

(vi) Directorate of Incubation and Vocational Training in Aquaculture, ECR, Muttukadu.

Sl.No	Name of the Activities
1.	B.Voc. IA is being offered to produce manpower for aquaculture and allied industries.

2.	Aquafeed is produced for research, incubatees and farming communities.
3.	Wet Labs/ RAS / Biofloc facilities for research and industry projects.

(vii) Directorate of Incubation and Vocational Training in Fisheries, Ramanathapuram.

Sl.No	Name of the Activities
1.	B.Voc. IFT and B.Voc. IFPT have been offered to produce manpower for the marine fishing and fishing processing industries.
2.	Conducted six days of Training imparted to the fishermen
3.	B.Voc. (FPT) course is aimed at providing skilled professionals to seafood processing plants

2. New academic programmes initiated (UG, PG & Ph.D): Nil

Name of the Course	Initiated during the year

3. Innovations in curricular design and transaction

(i) Dr. M.G.R. Fisheries College & Research Institute, Ponneri

Innovations made in transactions	
1. Mentor – Mentee Meetings	5 Nos. of Mentor Mentee meeting was conducted by faculties in this quarter. 1. Dr. K. Masilan, Assistant Professor, Department of Fish Processing Technology, conducted Mentor Mentee meeting on 05.07.2024, and discussed the problems caused by invasive fish species (i.e., Sucker mouth cat Fish and Charru mussels) and students given assignment to create 3D models of organic molecules 2. Dr. C. Sudhan, Assistant Professor, Department of Fisheries Resource Management, conducted Mentor Mentee meeting on 16.07.2024, and discussed the Career guidance, ICAR Preparation, Learning Skills on SCUBA & Snorkelling 3. Dr. V. Ezhilarasi, Assistant Professor, Department of Aquaculture, conducted mentor mentee meeting on 12.08.2024, and discussed to undertake mini research activities on Live feed culture and SWOT analysis for the individuals 4. Dr. S. Selvaraj, Assistant Professor, Department of Aquaculture, the Mentor Mentee meeting was conducted on 15.08.2024, and discussed students were advised to use the library and online resources to collect the literatures and

	prepare the article 5. Dr. S. Saravanan, Assistant Professor, Department of Aquatic Animal Health Management, the Mentor Mentee meeting was conducted on 06.09.2024, and discussed to improve soft skills to the students given innovative and current research area for presentation.

2. Academic Audit

Academic auditing completed for II. B.F.Sc. courses by the allotted course teachers

Sl.No	Name of the Course teacher	Course	Name of the Course Auditor	Date of Conduct
1.	Dr. S. Selvaraj	FS-201 Ornamental Fish Production and Management	Dr. V. Ezhilarasi	28.08.2024
2.	Dr. V. Ezhilarasi	FS-202 Fish Food Organism	Dr. D. Kaviarasu	19.08.2024
3.	Dr. D. Kaviarasu	FS-203 Fish Immunology	Dr. S. Selvaraj	30.09.2024
4.	Mr. P. Pavin kumar	FS-204 Marine Fisheries	Dr. S. Saravanan	23.09.2024
5.	Dr. S. Aruna	FS-205 Aquatic Ecology and Biodiversity	Mrs. Nimish Mol Stephen	21.05.2024
6.	Mrs. Nimish Mol Stephen	FS-206 Freezing Technology	Dr. A. Jacklinwino	26.09.2024
7.	Mr. R. Velmurugan	FS-207 Refrigeration and Equipment Engineering	Dr. C. Lloyd Chrispin	27.08.2024
8.	Dr. C. Lloyd Chrispin	FS-208 Fisheries Extension Education and Personality Development	Mr. D. Arun Jenish	30.09.2024
9.	Dr. L. Surulivel	FS-209 Fisheries Economic	Mr. R. Velmurugan	27.08.2024

3. Up-dation of students details in UMIS portal	Updated the students details of 2023-24 batch in UMIS portal
4. Parent – Teacher Meeting	Student Coordinator, Mr. R. Velmurugan conducted Parent Teacher meeting for 2021-2022 batch – V Semester on 04.09.2024
5. Blended learning	All faculty members handed over the course materials to the Faculty Dean, as part of blended learning program
6. Flipped classroom	Two faculties, Mr. R. Velmurugan and Dr.N. Muralidharan, followed flipped classroom model of teaching in their two courses, FS 218 Fishing Gear Technology 2 (1+1) and FS 217 Fish Canning Technology 2 (1+1), respectively

(ii) College of Fisheries Engineering, Nagapattinam

Sl.No	Innovations made
1	Work Initiated to revise the B.Tech Fisheries Engineering and B.Tech Energy and Environmental Engineering syllabus to include industry oriented advanced topic of more Engineering aspects, instrumental parts, IOT, designing and fabrication energy optimization in the aquaculture system, AI & ML assisted fisheries activities, more civil engineering courses to make the graduates fitting for the job in the Engineering Wing of the State fisheries Department.

(iii) TNJFU, Fisheries Business School, Chennai

Sl.No	Innovations made
1.	Internship program organized for BBA and MBA students in Fisheries Industries

4. Inter-disciplinary programmes started: Nil

Name of the programme	Started during the year

5. Examination reforms implemented

(i) Dr. M.G.R. Fisheries College & Research Institute, Ponneri

Name of the reforms	Implemented during this quarter
Conduct of ICAR mock tests	Dr. S. Selvaraj, Assistant Professor & Head i/c, Department of Aquaculture shared one set of question paper containing 100 MCQs on Finfish Hatchery Management course for conducting mock test to the III B.F.Sc., students (2021-22 Batch)

(ii) College of Fisheries Engineering, Nagapattinam

Name of the reforms	Implemented during 2nd Quarter
1. Continuous Assessment	Encouraging a variety of assessment methods, such as project work, presentations, practical exams, and portfolios.
2. Feedback Mechanisms	• Implementing systems that provide timely and constructive feedback to students, enabling them to understand their strengths and areas for improvement. • Promoting the use of feedback as a tool for learning and growth, rather than just a means of evaluation.
3. Authentic Assessments	Moving away from purely theoretical assessments towards evaluations that reflect the practical aspects of learning.

6. Candidates qualified: JRF/AIEEA-PG/NET/ARS: Nil

(i) Fisheries College & Research Institute, Thoothkudi

Name of the Candidate	Qualified in
1. J. Joyson Paul – Ph.D	ICAR JRF / SRF in FRM
2. M. Sharumathi – Ph.D	
3. K. Udhayakumar – Ph.D	ICAR JRF / SRF in AEM
4. A. Asiisa – Ph.D	ICAR JRF / SRF in Aquaculture
5. S.R Keerthana - PG (B.F.Sc. 2020 - 21)	ICAR – CIFE – PG Scholarship

(ii) Dr. M.G.R. Fisheries College & Research Institute, Ponneri

Sl.No	Name of the student	
1	Vigneshwaran P	Qualified in AIEEE PG (All India Rank)
2	Bradlin Lebina S. P.	
3	Elavarasi S	
4	Abirami A.R.	
5	Monishree K.	
6	Sangavi C.	
7	Santhosh P.	
8	Dharani K.	
9	Abishek P.	
10	Bhaskar S.	
11	Neeraj Kumar M.	
12	Kumaraguru S.	
13	Jeni J M	
14	Daphne Silva K	
15	Yogeshwaran V. V.	

(iii) Dr. M.G.R. Fisheries College & Research Institute, Thalainayeru

Name of the Candidate	Qualified in AIEEA
1. SHARINE CATHRINE. F (U-20-TN-03-005-B-F-035)	ICAR AIEEA - PG
2. EBIRON, A (U-20-TN-03-005-B-F-012)	
3. INDHUMATHI. B (U-20-TN-03-005-B-F-016)	
4. SELVA ABILA. A (U-20-TN-03-005-B-F-034)	
5. RANI SAMLIN. S (U-20-TN-03-005-B-F-031)	
6. SWETHA. V (U-20-TN-03-005-B-F-039)	
7. NAVEENA. T (U-20-TN-03-005-B-F-027)	
8. VAISALINI. K.G (U-20-TN-03-005-B-F-042)	
9. BHAVADHARANI. S (U-20-TN-03-005-B-F-009)	

10. THOFEEYA ROY. D (U-20-TN-03-005-B-F-041) 11. RAAHAVI. M (U-20-TN-03-005-B-F-030) 12. KABILAN. G (U-20-TN-03-005-B-F-019) 13. GNANAMUKESH, S (U-20-TN-03-005-B-F-015) 14. AJITH. P (U-20-TN-03-005-8-F-005) 15. ANUSUYA. A.S (U-20-TN-03-005-B-F-006) 16. SRINATH. E (U-20-TN-03-005-B-F-037) 17. AFRITH. M (U-20-TN-03-005-B-F-003) 18. MEBALIE. H (U-20-TN-03-005-B-F-025) 19. ABINESH.C (U-20-TN-03-005-B-F-002) 20. SIVANESAN. R (U-20-TN-03-005-B-F-036) 21. INDHUMATHI. K (U-20-TN-03-005-B-F-017) 22. RASHIKA. R (U-20-TN-03-005-B-F-032) 23. ARTHI. A (U-20-TN-03-005-B-F-007) 24. MATHUMEETHA. K. K (U-20-TN-03-005-B-F-024) 25. PRADEEPA. G (U-20-TN-03-005-B-F-028) 26. SUBASH. M (U-20-TN-03-005-B-F-038)	

7. Initiative towards faculty development programme

(i) Fisheries College & Research Institute, Thoothukudi

Sl.No	Initiative taken towards faculty development programme
1	Dr. F. Parthiban, Assistant Professor, attended two days training on "BLP training organized under National Agricultural Higher Education Project (NAHEP) Comp 2 Project" held at ICAR-IASRI, Delhi on 29th and 30th July 2024.
2	Dr. U. Arisekar, Assistant Professor, attended online training on "Agriculture Water Management under Climatic Scenario by CWRDM, Karnataka & MANAGE" from 02.07.2024 to 04.07.2024 at 10.00 am to 12.00 am.
3	Dr. U. Arisekar, Assistant Professor, attended online training on "Climate-smart Production and Processing Technology for Carbon Neutral Meat and Dairy Foods" conducted by ICAR-IVRI, Delhi and MANAGE, Hyderabad, from 05.08.24 to 09.08.24 at 2.00 pm to 4.00 pm
4	Dr. U. Arisekar, Assistant Professor, attended online training on "Value Chain Extension organized by IIHR, Bangalore, and MANAGE, Hyderabad, from 07.08.24 to

	08.08.24 at 10.00 am to 12.00 am.
5	Dr. U. Arisekar, Assistant Professor, attended online training on "ECHO - Carbon Credits in Food and Agriculture, Carbon Finance, Carbon Farming" hosted by EEI, Hyderabad Region & MANAGE, Hyderabad from 20.08.24 to 24.08.24 at 10.00 am to 12.00 am and 2.00 pm to 4.00 pm
6	Dr. U. Arisekar, Assistant Professor, attended online training on "Life Cycle Assessment in Aquaculture System to Promote Fish Production Goals" conducted by DIFST, Midalam & MANAGE, Hyderabad from 07.08.24 to 09.08.24 at 10.00 am to 12.00 am.

(ii) Dr. M.G.R. Fisheries College & Research Institute, Ponneri

Sl.No	Initiative taken towards faculty development programme
1.	Mr. R. Velmurugan, Assistant Professor & Head i/c., attended five days faculty development programme on "Gender and Disaster Management" conducted by Tamil Nadu Dr. Ambedkar Law University and National Institute of Disaster Management at Chennai from 09.09.2024 to 13.09.2024.
2.	Dr. C. Sudhan, Assistant Professor, Dept. of Fisheries Resource Management attended the National conference on "Blue revolution for sustainable fisheries development" held from 24.09.2024 to 27.09.2024 at KSTA, Auditorium, Bengaluru, Karnataka
3.	Three staffs and five post graduate students from the Dept. of Fisheries Resource Management and Dept. of Aquatic Environment Management, Dr. MGR Fisheries College and Research Institute, Ponneri participated in and presented their research posters at the National Forum on building Trans-National, Civil society partnership to increase the resilience of coastal communities,
4.	which was organized by Centre for Research in New International Economic Order (CReNIEO), Chennai from 06.08.2024 to 08.08.2024.
4.	Faculties of Dept of Aquaculture and Dept of Aquatic Animal Health also participated in the Industry- Institute Summit 2024 held at IFPGS, Vaniyanchavadi on 27.09.2024. Dr. A. Uma, Professor and Head, presented the details of the research facilities and achievements in the discipline of Aquatic Animal Health in the summit. Dr. R. Jeya Shakila, served as Technical Committee Chairman

(ii) Dr. M.G.R. Fisheries College & Research Institute, Thalainayeru

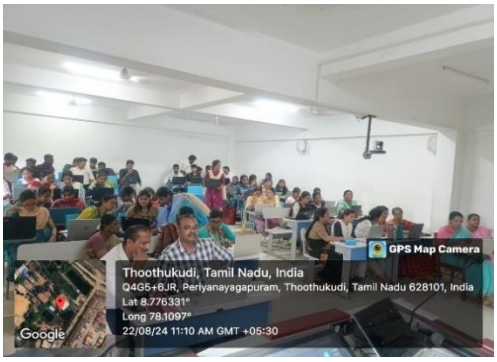
Sl. No	Initiative taken towards faculty development programme
1.	A five-day faculty programme on "Gender and Disaster Management" conducted by Tamil Nadu Dr. Ambedkar Law University during 09.09.2024 to 13.09.2024 was attended by Dr. S. Deepika, Assistant Professor, DAEM.

(iii) Directorate of Incubation and Vocational Training in Aquaculture, ECR, Muttukadu.

Sl.No	Initiative taken towards faculty development programme
1.	The faculty development through sending the faculty for attending CAFT programs is always encouraged.

8. Total number of seminars/workshops/conferences conducted

(i) Fisheries College & Research Institute, Thoothkudi

Name of the Seminars/Workshops/conference	Date
One-day workshop on "AI tools for the beginners"	22.08.2024
One day workshop on "**AI tools for the beginners**" was conducted for the PG, Ph.D students, and faculty of this institute to create awareness of "Artificial intelligence" on 22.08.2024. Dr. S. Jerusha, Ph.D., Freelancer, St. Xaviers Research Foundation, Palayamkottai served as a resource person for this program. The program dealt with AI tools in publishing science, grammar, and language polishing tools, ethical use of AI in publishing science, and reference checks, etc**.,** She instructed the participants to install AI tools in the laptops and explained the role of AI in scientific writing, reference check etc., Dr. B. Ahilan, Dean of this institute presided over the program. Dr. V. Rani, Professor and Head and PG coordinator coordinated the entire program. A total of 56 PG, Ph.D students, and faculty have benefitted from this program. 	
Boat driver license issuing programme	27.09.2024
A function was organized on 27.09.2024 at 3.00 p.m. in the Centre for Incubation	

and Vocational Training in Fisheries of TNJFU located inside the fishing Harbour complex of Thoothukudi for issuing Boat driver License by the Department of Fisheries and Fishermen Welfare, Thoothukudi. Boat Driver Licenses were issued to 13 fishermen trainees of Thoothukudi district. Dr. N. Neethiselvan, Dean in-charge, FC&RI, Thoothukudi delivered the presidential address. In the presidential address, he stressed the need for Licensing of all the fishermen responsible for navigating the Mechanized fishing vessels of Tamil Nadu to ensure safe operation. Dr. N. V. Sujathkumar, Professor, FC&RI (Retired), Mrs. N. Chandra, Joint Director of Fisheries, Department of Fisheries and Fishermen Welfare and Mr. R. Kanagaraj, Training Officer, District Skill Development Training Office, Thoothukudi graced the function and distributed Licenses to fishermen.

Programme organized by the Special Programme Coordinators	
Dr. M. Devaraj Endowment lecture	22.07.2024

The Fisheries College and Research Institute, Thoothukudi, proudly hosted the Dr. M. Devaraj Endowment Lecture on 22.07.2024, honouring the legacy and contributions of Dr. M. Devaraj, former Dean of the Institute and former Director of the Central Marine Fisheries Research Institute (CMFRI). The event was attended by invited guests in the field of Fisheries science, faculty members, and students. Dr. P. Krishnan, Director, BOBP-IGO, Chennai and Vice Chair of Regional Fisheries Bodies Secretariat Network (RSN), FAO, Rome delivered the Endowment Lecture on "Breaking Myths & Building Perspectives in Fisheries Management" which gave thoughtful insights. Students' Interaction meet and Staff Consultative Meet were also convened to facilitate motivation of students and staff to excel in academics and

research in the field of Fisheries science.

(ii) Dr. M.G.R. Fisheries College & Research Institute, Ponneri

Name of the Seminars/Workshops/conference	Date
Awareness program on "Live feeds for Ornamental Aquaculture - Benefits and Challenges" To commemorate National Fish Farmers' Day, an awareness program on "Live feeds for Ornamental Aquaculture - Benefits and Challenges" conducted at our off-campus facility at TNJFU Madhavaram Campus on 10.07.2024. Four technical lectures conducted briefing the various facets in live feed culture. An award entitled "Budding Ornamental Farmer" was given to Mr.Sankar, Pammathukulam, Avadi Taluk, Thiruvallur District by Dr.R.Jeyashakila, Dean. Dr. MGR FC & RI, Ponneri, Felicitated the event. Seventeen ornamental fish farmers from Thiruvallur and Chengalpattu District participated in the program. Assistant Professors of DAQ, Dr. S. Selvaraj and Dr. V. Ezhilarasi coordinated the event.	10.07.2024

(iii) Dr. M.G.R. Fisheries College & Research Institute, Thalainayeru

Sl. No	Name of the Seminars/Workshops/conference	Date
1.	National Webinar on Sustainable Aquaculture Innovations: Empowering Fish Farmers for a Thriving Future"	10.07. 2024 (11.00 am – 2.00 pm)
2.	Fish Processing Start-ups: Exploring Profitable Entrepreneurship Opportunities	05.09.2024 (10.00 am – 01.00 pm)

(iv) College of Fish Nutrition & Food Technology, Madhavaram

Name of the Seminars/Workshops/conference	Date
Industry Academia Interaction CFNFT with a perspective of preparing and inclining students towards the industrial world organised a guest lecture on the topic "Natural Colours and Flavours - FSSAI Standards, Quality Analysis in Food Industry" on 19th July 2024. Mr. Karhtick Shanmugasundram, CEO & Founder, Gusteau Foods Private Limited, Tirunelveli delivered the lecture.	13.07.2024

78 th Independence Day Celebration The celebration of 78th Independence Day commenced on a beautiful note at CFNFT with active participation of students in Har Ghar Tiranaga campaign from 12th to 15th August, 2024. • A debate competition was also conducted on the topic 'Is India's growth strategy sustainable in relation to environment and people?'.	12.08.2024 to 15.08.2024
Industry Academia Interaction CFNFT organized an online guest lecture on 'Food Safety Standards and Certifications' on 16th July, 2024. The lecture was delivered by industrial guest speaker Mr. Sreedath Tulamndi, Product Manager (Food Services), SGS India Pvt Ltd. II and III year students of B. Tech. Food Technology attended the session.	16.08.2024
Industry Academia Interaction An Industry Academia Interaction event focused on 'Beyond R & D- Exploring Career Opportunities in the Alternative Protein Space' was organized by the College of Fish Nutrition and Food Technology, Chennai, on August 31, 2024. The session featured Ms. Sruthi Sadanand, Founder & Principal Consultant at Altruistic Innovations, Chennai, as the industrial guest speaker.	31.08.2024
Student Orientation Programme for 204-25 Batch The orientation for the academic year 2024-25 for the newly admitted twenty-nine undergraduate students of B.Tech. Food Technology was organized by CFNFT on 23rd September, 2024.	23.09.2024

9. Research projects a) Ongoing b) completed (The data should be up to date and relevant with each column)

(i) Fisheries College & Research Institute, Thoothkudi

a) Ongoing

Sl.No	Name of the faculty	Title of the project	Funding Agency	Budget of the project	Salient Research findings (In bullets)
1.	Dr. C. Judith Betsy	Livelihood improvement of women through skill development in ornamental fish farming with special emphasis on production of attractive and high-quality ornamental fishes	DSIR	25.0 lakhs	• Detailed below

	• 60 days culture period of fish feed with animal-based protein was completed. • Digestive enzyme analysis and carotenoids estimation were carried out. • Growth parameters were analysed. • Tanks were distributed for the beneficiaries for demo purpose. • Feeds were prepared for the second trial by using spirulina and marigold. • Compilation of results was in progress				
2.	Dr. D. Manimekalai	Evaluation of enriched bacterial consortium for the treatment of ammonia and nitrite in aquaculture waste water	TNSCST, Chennai	1.75 lakhs	• Detailed below

Work done :

- The cultured isolates were further streaked into mineral salt medium agar for further purification process.
- The purified isolates were preserved in slant and glycerol solution for future use.
- By the method of diphenylamine test, the screening of nitrite bacteria was carried out.
- From which the single colonies were isolated for the further process of DNA extraction.
- The Luria broth was prepared to the development of culture for further analysis of DNA extraction.
- The screening of both ammonia and nitrite nitrifying bacteria was carried out.
- For screening of nitrite bacteria, the diphenylamine test was carried out. In which the isolates were taken in a glass slide and the diphenylamine was added which turns the isolates into blue color.
- For the ammonia bacteria, the phenol red test was carried out. In that the phenol red was directly added into the media, in which the isolates were spread in the plate. After 24 hours, the media contained isolates were changed into yellow color this indicates the presence of ammonia bacteria.
- The DNA extraction was carried out for both ammonia and nitrite bacteria.
- The PCR and Gel electrophoresis was done for the analysis of the purification of bacterial isolates.
- I year project progress report and utilization certificate submitted for the project on 26.09.2024 F

3.	Dr. N. Jayakumar	Assessment of spawning	Tamil Nadu State Planning	146.80 (2022-	• Detailed below

		seasonality of major marine fishery groups along the coast of Tamil Nadu for sustainable fishery management	Commission (TANII Scheme)	24)	
	• Submitted a report on the status of TANII scheme to the Director of Research, TNJFU for review by Additional Chief Secretary, Department of Fisheries and Fishermen Welfare, Animal Husbandry and Dairying • Awaiting the second-year budget of Rs. 46.65 lakh to carry out the work proposed in the second year of the project.				
4.	Dr. N. Jayakumar	Assessment of *Portunus pelagicus* stock based on length–frequency, spawning potential ratio and occurrence of berried female caught in bottom set gillnet from Palk Bay region	Crab Meat Processors Association, Thoothukudi	5.00 (2023 – 24)	• Detailed below
	• Collected and identified the crab and other fish specimens caught in the bottom set gill net from the selected fishing villages situated in the Palk Bay region • Collected length and weight data of the blue swimming crab caught in the bottom set gill net • Collected occurrence data and length and weight data of the berried blue swimming crab caught in the bottom set gill net • The last installment of Rs. 2.5 lakh was requested from the funding agency, CMPA				
5.	Dr. R. Durairaja	Assessment of biodiversity and biomass of non–target fish species caught in bottom set gillnet for blue swimming crab in Palk Bay region	Crab Meat Processors Association, Thoothukudi	4.60 (2023 – 24)	• Detailed below
	• Collected and identified the NTS caught in the bottom set gill net from the selected fishing villages situated in the Palk Bay region • Collected occurrence and abundance data of non-target fish species including ETP species				

	caught in the bottom set gill net along the Palk Bay region • Collected and identified sea grass species caught in the bottom set gill net from the selected fishing villages situated in the Palk Bay region (Blue Swimming Crab Gill netting) • The last installment of Rs. 1.5 lakh was requested from the funding agency, CMPA				
6.	Mr. K. Karuppasamy	Studies on Taxonomic evaluation and Stock Assessment of Marine Clupeiformes fishes (Family: Clupeidae and Engraulidae) employing traditional and molecular tools along the Coromandel coast of Tamil Nadu, Southeast coast of India	TNJFU-Junior Teacher Research Fellowship	Rs. 2.00 Lakh (2022 - 23)	➢ Detailed below
	➢ Collected and Identified 25 species of Clupeiformes fish species along Chennai Coast. ➢ Analyzed morphometric and molecular taxonomy of Clupeids species ➢ Length-weight and Catch & Effort data collected for Selected Clupeids species along the Chennai Coast. ➢ Catch and Effort data were collected from the Fisheries Department of Nagapattinam and Chennai. ➢ Analyzed Morphometrics-Meristics of Clupeids species ➢ Collected length, Catch and Effort data of selected five species for the stock assessment.				
7.	Dr. B. Chrisolite – PI Dr. P. Sivasankar – Co-PI	National Surveillance programme for Aquatic Animal Diseases –Phase II	PMMSY through ICAR-NBFGR	52.20	• Detailed below
	Sample collection: Fourteen (*P.vannamei) and* one (*P.monodon)* samples were collected from Ramanathapuram, Pudukkottai, Thanjavur and Nagapattinam district shrimp farms. **Analysis**: Fourteen (*P.vannamei) and* one (*P.monodon)* samples were analyzed for the presence of EHP by PCR. Five samples gave positive result for EHP. Fourteen (*P.vannamei) and* one (*P.monodon)* samples were analyzed for the presence of WSSV & IHHNV by PCR. All samples gave negative result. Fourteen (*P.vannamei) and* one (*P.monodon)* samples were analyzed for the presence of DIV1,				

	MBV and BP. The analysis gave negative result. Thirty eight shrimp samples were analyzed for the presence of TSV, YHV and IMNV. The analysis gave negative result. **AHPND Analysis:** Sixty two bacterial isolates isolated from TCBS plates were analysed for the presence of AHPND by PCR. The isolates gave negative result for AHPND. Twenty Nine bacterial isolates isolated from shrimp samples were stored for further analysis. **Cell culture** **Following fish cell lines were maintained** SSN1 –P1127, TLi-54, SBKD -107, KCFN - 72, Fusion flask – P520, CFSP –P521, CFBR –518, CFFN2- 457, Koi Gill-304. **Fish Analysis:** ➢ Tilapia lake virus received from Fisheries College, Mangalore was confirmed by PCR. ➢ Tilapia and snakehead fish sample collected from Vaduvur, Thiruvarur District processed in SSN1 cell line for the presence of viral agent. ➢ Tilapia fish samples collected from Dindigul district were analyzed for the presence of Tilapia lake virus. The analysis gave negative result. ➢ Tilapia lake virus positive samples received from NBFGR Lucknow were analysed and confirmed with cell line and PCR. ➢ Snakehead fish samples collected from Ramanathapuram and Tirunelveli districts were processed in SSN1 cell line for the presence of viral agent. ➢ Propagation of TilV was carried out. ➢ Sea bass fish samples collected from cage culture in Ramanathapuram district were analysed for bacteriology. *Photobacterium damselae* were isolated and confirmed by multiplex PCR. ➢ Snake head fish samples collected from Ramanathapuram district and Tirunelveli district fish farms and were analysed for bacterial infection. The analysis gave positive result for *Aeromonas hydrophila.*				
8.	Dr. T. Ravikumar	Design and development of Troller for the exploitation of high valued pelagic fishes from Thoothukudi coast	TANII, Thoothukudi District	39.90 Lakhs	➢ Detailed below
	➢ Obtained administrative sanction for the release of 1st installment of Rs. 25,51,000/- ➢ Formed a research team consisting of Assistant Professors of TNJFU				

	➢ Had discussion with the owner of the Sky Star Fiber boat yard for the designing of the FRP boat. ➢ Visited Kombuthurai on 02.08.2024 and 21.08.2024 to collect the basic information on the fishing gear and craft design details. During the visit, a discussion was held with the progressive fishermen on the design. ➢ Attended Project physical and financial progress meeting at SPC-TANII, Chennai ➢ Linked with SNA child account User ID through new password ➢ A letter was submitted to the Member Secretary, SPC-TANII, Chennai for seeking first year fund release. ➢ Had discussion with the owner of the Vijayalakshmi saw mill boat yard at Thoothukudi for the designing of the FRP boat. ➢ Visited Kombuthurai on 07.09.2024 and 28.08.2024 to collect the basic information on the fishing gear and craft design details. During the visit, had discussion with the progressive fishermen on the design. ➢ A letter was submitted to the Member Secretary, SPC-TANII, Chennai for seeking first year fund release.				
EDII-MPBIF related activities					
9.	Dr. P. Ganesan Hub Coordinator	Establishment of Marine Products business incubation forum	EDII, Chennai	250 lakhs	• Detailed below
	• Submitted success stories of incubatees cum start-ups of EDII-MPBIF, DFPT, FCRI, Thoothukudi to VC, TNJFU, Nagapattinam through proper channel on 27.07.2024. • Submitted success stories of incubatees cum start-ups of EDII-MPBIF, DFPT, FCRI, Thoothukudi to the Dean on 06.08.2024. • Made arrangements for 20 gift packs of seaweed incorporated cosmetics through our start-up of EDII-MPBIF, FCRI, TNJFU, Thoothukudi comprising body wash, face cream, and shampoo for the Academic Council Meet event at Madhavaram, Chennai scheduled on 21st August 2024. • 3 of our incubatees cum start-ups of EDII-MPBIF, DFPT, FCRI, Thoothukudi namely 1. JSF Foods, Thoothukudi working on fish based battered and breaded products 2. FLTF Food Products LLP, Thoothukudi working on various value added fish and fishery products 3. Herblis Health Care, Madurai working on seaweed incorporated cosmetic products, attended 2024 Independence Day Reception function at Raj Bhavan, Chennai presided by Governor, Tamil Nadu on 15th August 2024 evening. In this regard our start-ups received invitation from Governor's office and they participated in the event with their family. Through our university (TNJFU, Nagapattinam) our above mentioned start-ups have been recognized to participate in the above said event.				

b) Completed Research projects: 02

Sl.No	Name of the	Title of the project	Funding	Budget of the	Salient Research

	faculty		Agency	project	findings (In bullets)
1	Dr. G. Arul Oli	Title: Demonstration on advanced aquaculture and fisheries technologies for augmenting the production and livelihoods of Scheduled Caste fisherfolk of southern coastal Districts of Tamil Nadu	ICAR-CIFE	6.0 lakhs	• Detailed below
	• Conducted six training programs on vannamei shrimp farming, freshwater ornamental farming, marine ornamental fish farming, seaweed farming, Cage culture, and Use of ICT tool in fishing operation in Feb 5-7, 2024, Feb 19-21, 2024, March 4- 6 2024, March 13-15 2024 and May 20-22 2024 for 150 SC/ST fisherfolks in Thoothukudi district				
2.	Dr. T. Umamaheswari	The changing dynamics of labour migration on employment, livelihoods and resource productivity patterns in Indian marine fisheries sector	ICAR - NASF, New Delhi	4.395 lakhs	➢ Detailed below
	➢ Mailed UC, AUC to ICAR-ADG on 01.07.2024 ➢ Data collection and entry was in progress ➢ Attended NASF review meeting conducted by Dr. Shyam S Salim, PI and Project Team				

(iii) Dr. M.G.R. Fisheries College & Research Institute, Ponneri

a) Ongoing Research projects

Sl.No	Principal Investigator	Title of the project	Funding Agency	Budget (Rs. lakh)	Salient Research findings (In bullets)
1.	Dr. R. Jeya Shakila	Climatic changes and their role in the emergence of antibiotic-resistant *Salmonella* Montevideo in farmed shrimp and its environment	ICAR-NICRA	35.00	• Transcriptome analysis done for S. Montevideo strains exposed to salinity stress and identified the genes that are upregulated and

					downregulated during stress
2.	Dr. S. Aruna	Artificial Coral Reef (ACR / LR) and Fish Aggregating Artificial Reef (FAAR) to Enhance Fish Diversity and Biomass in the Sea Near Pulicat Lake Towards fishing Pressure Reduction and Livelihood Improvement of Fisherfolk in the Lake Region	TANII	430.66	• Collected fish landing particulars from AR sites • Physicochemical characteristics of water, plankton and benthos samples were analysed
3.	Dr. S. Aruna	"Study on the assessment of fishery resources and its productivity to assess the ecosystem service in the critical ecosystems along East coast of India"	NCCR	123.91	• Attended comprehensive review meeting conducted by the funding agency NCCR regarding status of the project and financial clarification at NIOT campus on 11.07.2024 • Attend Research Committee meeting conducted by Tamil Nadu Forest Dept. for getting permission for collecting samples from the selected sites of Palk Bay and Gulf of Manner on 22.07.2024 through Video conference. • A request letter sent to the Principal Chief Conservator of Forests & Head of Forest Force, Mangalagiri, Guntur District, Andhra Pradesh on 28.07.2024 for seeking permission, for the collection of

					water, plankton, soil and fish samples from the Coringa mangroves, Kakinada. • Gut content analysis completed in the fish samples collected from the experimental fishing done at the selected sites of Coringa mangroves. • Plankton, Water quality analysis, Nutrients and Primary production was recorded in the samples collected from Coringa mangroves, Kakinada, Andhra Pradesh.
4.	Dr. C. Sudhan,	Digital solutions for the sea turtle conservation in south Tamil Nadu	JTRF Scheme, TNJFU, Nagapattinam	1.70	• Identified Four Olive Ridley Nesting sites at Dhanushkodi, Manapad, Uvari & Rajakamangalam • The survey reveals that the coastal fishers are 58% aware about the sea turtle species diversity, 70% aware about turtle species conservation & 46% aware about the use of social media for turtle species conservation. Also suggested need for digital platform to enhance the conservation

					perspective among the coastal villages and fishers • Released one android mobile and web application for the turtle conservation along the southern Tamil Nadu
5.	Dr. Lloyd Chrispin	"Socio – economic and environmental impact study of shrimp farms and Hatcheries in selected districts of Tamil Nadu"	TNJFU - RCF	14.98	• A socio – economic survey is being conducted in Nagapattinam and Mayiladuthurai District
6.	Dr. S. Saravanan	Standardization of Invitro propagation of commercially important seaweed species of *Gracilaria sp* of Pazhaverkadu Region for mass multiplication through tissue culture	TNJFU - JTRF	Rs. 2.00 lakhs	• Subculture was carried out for *Gracilaria sp* and *Ulva sp*. • Mass culture of *Gracilaria sp* and *Ulva sp*. trial was carried out. • Inoculated the fresh two batches of Gracilaria seaweeds for growth.

b) Completed Research projects: Nil

(iii) College of Fisheries Engineering, Nagapattinam

a) Ongoing Research projects: Nil

b) Completed Research projects:

Sl. No	Name of the faculty	Title of the project	Funding Agency	Budget of the project	Salient Research findings (In bullets)

1.	Dr.M.Ramar	Design and development of nanogenerator from crustacean shell waste	TNJFU- JTRF	Rs.2,00,000/-	1. TNJFU- JTRF - Physical and Financial progress report prepared and submitted to the DR, TNJFU 2. Different type of time duration experiment conducted for piezo electric tiles
2.	Dr.M.Kamal akannan	Design and Development of IoT based smart fish grading system	TNJFU- JTRF	Rs.2,00,000/-	1. TNJFU- JTRF - Physical and Financial progress report submitted to the DR, TNJFU

(iv) Dr. M.G.R. Fisheries College & Research Institute, Thalainayeru

a) Ongoing Research projects

Sl. No	Name of the faculty	Title of the project	Funding Agency	Budget of the project	Salient Research findings (In bullets)
1.	Dr. S. Santhosh Kumar (Co-PI) & Dr. A. Subburaj (Co-PI)	Assessment of spawning seasonality of major Marine Fishery groups along the coast of Tamil Nadu for sustainable Fishery Management	TANII	Rs.146.80 lakh	Waiting for the release of fund.
2.	Dr. Mahadevi	Cost Effective Captive Breeding Technology for *Channa Striata* (Striped Murrel) for Field Level Adoption	SLURB& State Planning Commission	Rs. 15.18 lakhs	• Attended review meeting at State Planning Commission on 16.07.2024. • Submitted the revised project completion report to TNSLURB, State Planning Commission on 05.08.2024. • Maintenance of brood stock and breeding trials at TNJFU- Madhavaram Campus. • Waiting for the release of 3rd installment fund.
3.	Mr.V.Durai (Co-PI)	Design and Development of	TANII	39.9 lakhs	• Attended the online meeting conducted with

		Troller for Exploitation of High valued pelagic Fishes from Thoothukkudi Coast			the members of the project and discussed about the aspects of Troller designing.
4.	Mrs.S.J.Abisha Juliet Mary	Whole Genome Sequencing of Shrimps and Environmental Samples	US- FDA (JIFSAN)	57.0 Lakhs	• Documentation is in process • Hands on training on the project was given by the US FDA for the Project personnel for 5 days from 16.09.2024 to 20.09.2024 at Dr.MGR FC&RI, TNR
5.	Dr. S. Kesavan	Assessment of microplastic and debris abundance in Point Calimere wetland and Muthupet mangrove ecosystems	TNJFU-JTRF	1.70 Lakhs	• Extraction and identification of microplastic (52 Nos.) from organisms associated with Muthupet mangrove and Point Calimere wetland.

b) Completed Research projects: Nil

(v) Institute of Fisheries Postgraduate Studies, Chennai

a) Ongoing Research projects

Sl.No	Name of the faculty	Title of the project	Funding Agency	Budget of the project	Salient Research findings
1.	Dr. Agarwal Deepak	Deciphering genomic insights associated with adaptation in *Etroplussuratensis* (Pearl spot) for climate resilient Aquaculture	ICAR-NICRA	Rs. 33.50 Lakhs	1. LC50 for salinity is determined (46 ppt) 2. CT Max CT Min Determined. 3. Best salinity for optimum growth is determined through gene expression analysis 4. Whole transcriptome sequencing done at different temperature and temp and salinity combinations.

					5. Sequencing data generated and analysis is under process-ongoing
2.	Dr. V. Kaliyamurthi	Understanding the mechanism of resveratrol and IL-17 knockdown on macrophage via NFκB signaling pathway under Metabolic stress conditions	DST SERB – CRG	Rs. 45.00 Lakhs	First year allotment of Rs. 18.00 lakhs had been released. IAEC cleared. JRF inducted Project is on progress.
3.	Dr. AmbikaBinesh	Investigation on molecular crosstalk of inflammatory hub NFκB and NICD using zebrafish model	DST SERB – SRG	Rs. 31.1 Lakhs	Second year objectives completed. 1.The elucidation of notch pathway proteins revealed that inflammation activates the notch receptor (Notch 1 and ligand (DLL1) interaction, which regulates the transcription of the notch intracellular domain, overexpressing the target proteins (Hes1 and Hey1).
4.	Dr. AmbikaBinesh	Exploration of the Notch signaling pathway in regulating macrophage differentiation and IL-6 expression in deep vein thrombosis: Insights from Notch knockdown studies	ICMR-IIRP	Rs. 69.00 lakhs	Ongoing
5.	Dr. Amit Ranjan	Electron beam irradiation and its effect on anti - nutritional factors, digestibility and mycotoxin levels of	UGC-DAE	Rs. 1.95 lakhs	Sanction awaited

		aqua feed ingredients.			
6.	Dr. Amit Ranjan	Nutrigenomic studies on feed development for larvae of striped Murrel (Channastriata)"	DBT, GoI	Rs. 50.38 lakhs	Pursuing

b) Completed Research projects: Nil

(vi) Directorate of Incubation and Vocational Training in Aquaculture, ECR, Muttukadu.

a) Ongoing Research projects

Sl.No	Name of the faculty	Title of the project	Funding Agency	Budget of the project (in lakh)	Salient Research findings
1.	Dr. P. Chidambaram	Development of Dry Land Integrated biofloc tank and farm pond polyculture system for adoption in fallow land region of Salem District	TNSLURB	11.18	The project was completed
2.	Dr. P. Chidambaram	Empowerment of Artisanal Fisherfolk of Pazhaverkadu area through Mud Crab Culture Technology	PMMSY	116.0	• Crab hatchery unit is being established • Culture of crabs in floating cages is being done
3.	Dr. E. Prabu	Nutrigenomic studies on feed development for larvae of striped Murrel (*Channa striata*)	DBT, India	50.38	• Transcriptomic analyses of samples is going on. • The purchase of homogenizer and Laminar Air Flow has been initiated through

					GeM portal
4.	Dr. E	Tamil Nadu Irrigated Agriculture Modernization Project (TN IAMP)" – Component III	World Bank	9.0	• Standardization of murrel feed for dissemination to farmers field trial.
5.	Dr. E. Prabu	Effects of Dietary *Saccharomyces cerevisiae* Fermentation Product and Phyto additives on Growth Performance, Nutrient Utilization and Health Status of Pacific White Shrimp, *Penaeus vannamei*	USAID	14.94 l	• Growth trial and analysis related to First experiment was carried out
6.	Dr. E. Prabu	Revolving fund scheme on "Shrimp farming at DIVA	TNJFU	2.7 lakhs	Pond preparation has been carried out for fifth culture
7.	Dr. E. Prabu	Effects of NagroWall on growth, whole-body composition, and disease resistance in Pacific white shrimp, *Penaeus vannamei*	Provet Pvt Ltd., Chennai	1.07 lakhs	Nursery rearing of *P. vannamei*was completed
8.	Dr.K.Abarna	Revolving fund schemeon Aquafeed mill operation at DIVA, Muttukadu	TNJFU	2.5 lakhs	Prepared shrimp and fish feeds

b) Completed Research projects: Nil

(vii) Directorate of Incubation and Vocational Training in Fisheries, Ramanathapuram.

a) Ongoing Research projects:

Sl.No	Name of the faculty	Title of the project	Funding Agency	Budget for the project	Salient Research findings
	Dr. L. Vinothkumar	Extraction and Characterization of carotenoprotein from different shrimp processing wastes for their potential as a natural antioxidant in Indian Mackerel mince during storage"	TNJFU	2.1 lakh	Optimization of Extraction conditions of carotenoprotein from shrimp head and shell waste is carried out

b) Completed Research projects: Nil

10. Patents generated, if any (Patents filed, published and awarded)

(i) Dr. M.G.R. Fisheries College & Research Institute, Ponneri

Patent Filed	Patent No.	Date
Title : Method for preparing nutrient composition for enhanced green seaweed growth and biomass yield Inventors: S. Saravanan, D. Kaviarasu, A. Uma and R. Jeya Shakila	TEMP/E-1/83590/2024-CHE	20.09.2024

11. New collaboration research programmes:

(i) Dr. M.G.R. Fisheries College & Research Institute, Ponneri

Sl.No.	Name of the programme	Collaborated with	Date
1	Sustaining Fisheries Ecosystem in the Palk Bay Region: Assessing Management Options, Livelihoods,	Funding Agency - BIMREN Twinning Project grant For 2 years	-

	and Fishers' Perspectives		
2	Evaluation of efficacy of prototypes of against *Enterocytozoon hepatopenaei* (EHP) infection in *Penaeus vannamei*	Funding Agency - M/s. Kemin Aqua Science, Pvt. Ltd. For 4 months	-
3	Effect of protein hydrolysates on the growth performences and hekath parameters of *L. vannamei*	Funding Agency - M/s. Kemin Industries. Pvt Ltd. Chennai. For 4 months	-

(ii) Institute of Fisheries Postgraduate Studies, Chennai

Sl.No.	Name of the programme	Collaborated with	Date
1.	Research work collaboration for CLSM, SEM and Histopathology	Saveetha Deemed University	10.04.2023

12. Research grants received from various agencies

(i) Dr. M.G.R. Fisheries College & Research Institute, Ponneri

Sl.No.	Name of the Research Grant	Year	Agency Name	Amount (Rs.)
1	External funded research project	July – September 2024	ICAR – CRIDA under NICRA grant	83,500
2	External funded research project	August 2024	NCCR	4,45,858

(ii) Institute of Fisheries Postgraduate Studies, Chennai

Sl.No.	Name of the Research Grant	Year	Agency Name	Amount (Rs.)
1.	NICRA	2020-21	ICAR	Rs. 33.5 Lakh
2.	SERB – CRG	2020-21	DST	Rs. 45 Lakhs
3.	SERB – SRG	2022-23	DST	Rs. 31.10 Lakhs
4.	UGC-DAE	2023-24	CSR	Rs. 1.95 lakhs

13. Details of research scholars (The data should be up to date and relevant to each column)

(i) Fisheries College & Research Institute, Thoothukudi

Sl. No.	Name of the Research Scholar and ID. No. of the scholar	Batch	Degree	Title of Research	Research findings	Research output/Product process/Patent
1.	Ms. Bavithra DPF (T) 16030	2016 - 17	Ph.D.	Integrative Taxonomy of	• Detailed below	

	(FRM) (Part-Time), MRC of ICAR-CMFRI, Ramanathapuram			selected Marine Ariid Catfishes of South Tamil Nadu		
	Integrative taxonomy of five Ariid catfish species, *Arius arius* (Hamilton ,1822), *Plicofollis layardi* (Gunther,1866), *Nemapteryx caelata* (Valenciennes, 1840), *Netuma thalassina* (Ruppell, 1837) and *Osteogeneiosus militaris* (Linnaeus, 1758) were studied based on their morphology, osteology, Truss based morphometrics and DNA barcoding. Palatine teeth patch shape was found to be the primary characteristic to differentiate the species. Lachrymal (LA) bone is one of the important key characters used for discriminating the ariid catfish species. It is a paired bone in all the catfish species but its shape is used for differentiate the species. The number of vertebral bones present in the vertebral column is one of the significant osteological key characteristics to discriminate the catfish species. The truss network of Ariid catfishes revealed that *Arius arius* and *Plicofollis layardi* are different from the other three species namely, *Netuma thalassina, Nemapteryx caelata and Osteogeneiosus militaris.* Molecular taxonomical study revealed that there were two major clades with one comprising *Plicofollis layardi, Netuma thalassina, Nemapteryx and Arius arius and the other one with Osteogeneiosus militates*. The present integrative taxonomy study revealed that, all these four taxonomic tools can be used for identification of the ariid catfish species without any taxonomic ambiguity.					
2.	Tamil Selvan R U -20 – TN – 03 – 002 – D – F - 009	2020 -21	Ph.D.	Fishery, Biology and Stock status of Filefishes (Family: Monacanthidae) along South Tamil Nadu coast	➢ Detailed below	
	➢ A total of 7 species of filefishes belonging to five genera were recorded which include *Aluterus monoceros, Aluterus scriptus, Lalmohania velutina, Anacanthus barbatus, Paramonacanthus frenatus, Pseudalutarius nasicornis and Paramonacanthus japonicus.* Among the seven species recorded, only two species viz., *A. monoceros and A. scriptus* constituted the fishery. The remaining five species were found to be rare and they did not contribute anything to the monacanthid fishery. ➢ Both the species (*A. monoceros* and *A. scriptus*) exhibit different feeding strategies reflecting their ecological niches and the availability of resources in their respective environments. ➢ The 'b' values of the two selected monocanthid species ranged from 2.70 (*A. monoceros*) to 2.69 (*A. scriptus*). ➢ The highest GSI value was recorded for A*. monoceros* (2.3%) in June 2022 and the lowest value (0.69%) was recorded in November 2022. The highest GSI value was recorded for A. *scriptus* (1.82%) in December 2023 and the lowest value (0.06%) was recorded in March 2022. The length at first maturity ($L_{max\%}$) of *A. monoceros* was found to be 40.69 cm for female and 43.2 for male. For *A. scriptus*, it was 53.33 cm for female and 54.21 cm for male. The absolute fecundity varied with species and it ranged from 4, 59,769 to 15, 38,719 eggs					

	per fish for *A. monoceros*, and 3, 48,519 to 14, 51,144 eggs per fish for *A. scriptus.* ➢ The estimated growth parameters are as follows: asymptotic length (L∞) = 59.05 cm, growth coefficient (K) = 0.29 yr^{-1}, age at zero length (t_0) = -0.499 yr^{-1} and growth performance index (Θ) = 3.04 for *A. monoceros*; asymptotic length (L∞) = 67.15 cm, growth coefficient (K) = 0.58 yr^{-1}, age at zero length (t_0) = -0.224 $yr^{-1}$and growth preference index (Θ) = 3.4174 for *A. scriptus*. The relationship between the natural mortality coefficient and the physiological factor (M/K) was calculated as 1.89 and 1.08 for *A. monoceros,* and *A. scriptus* respectively. Likewise, the mortality parameters were estimated to be as follows: total mortality (Z) = 1.15 yr^{-1}, natural mortality (M) = 0.55 yr^{-1}, fishing mortality (F) = 0.60 yr^{-1} for *A. monoceros*; total mortality (Z) = 0.95 yr^{-1}, natural mortality (M) = 0.50 yr^{-1}, fishing mortality (F) = 0.45 yr^{-1} for *A. scriptus*. ➢ The exploitation ratio (E) was found to be less than 0.5 for two species implying that the studied species were exploited below the optimum level. The Maximum Sustainable Yield (MSY) was 5, 80,618 kg with a CPUE of 7.94 kg/h for *A. monoceros* and the MSY was 3, 59,549 kg for *A. scriptus* with a CPUE of 4.71 kg/h. The current fishing effort of 76,266 h could be slightly decreased by 4.08% for *A. monoceros* and increased by 0.13% for *A. scriptus*.					
3.	Hari Prasad U-17-GJ-04-004-M-F-005	2021-22	Ph.D.	Diversity, biology and stock assessment of selected penaeid species of southeast coast of Tamil Nadu	➢ Detailed below	
	➢ The study recorded 43 shrimp species from 8 genera and 3 families across three selected stations. Month-wise all diversity indices showed that Nagapattinam had the highest species richness followed by Thoothukudi and Mandapam ➢ The size at first maturity ranged from 5.5 cm for males to 7.5 cm for females across different species. Fecundity varied widely, with *P. stylifera* exhibiting the highest fecundity (91,731 to 2,92,358 eggs/individual). ➢ The growth parameters and mortality parameters were recorded in *M. dobsoni.* The exploitation ratio of all the 13 selected species was < 0.50 values. It's indicated that all species have under-exploited conditions so it may be to increase fishing efforts to achieve the optimum MSY level					
4.	Kishore Kumar M U-18-TN-03-003-M-F-010	2021-22	Ph.D.	Biodiversity, biology, stock assessment and fishery of elasmobranchs along the coast of Southern Tamil Nadu, India	➢ Detailed below	
	➢ The present study documented a total of 81 species of elasmobranchs under 10 orders, 26 families, and 44 genera in which the order Carcharhiniformes contributed about 37% followed by Myliobatiformes (28%) and prepared an extended, updated checklist of elasmobranchs along the coast of Southern Tami Nadu, India ➢ Feeding and Reproductive biology of four selected elasmobranch species viz.,					

	Chiloscyllium griseum (Grey bambooshark), *Iago omanensis* (Bigeye hound shark), *Brevitrygon imbricata* (Bengal whipray) and *Acroteriobatus variegatus* (Stripenose guitarfish) were investigated. The biological parameters like length weight relationship, Sex ratio, Length at first maturity, fecundity were investigated in detail. ➢ Stock assessment of selected elasmobranchs was done using the software FiSAT II and estimated the exploitation ratio (E) which was found to be less than 0.5 for all the four species implying that all the studied species were exploited below the optimum level. The total annual catch was found to be 367166 kg, 284573 kg, 368358 kg and 361448 kg for *C. griseum, I. omanensis, B. imbricata* and *A. variegatus* respectively which was higher than the Maximum Sustainable Yield (MSY). Hence, it was recommended to reduce the fishing effort to less than 10 % to obtain optimum yield of exploitation					
5.	Sanjay U-15-CG-02-004-B-F-020	2021-22	Ph.D.	Integrative Taxonomy, Reproductive Biology and Stock Assessment of Lethrinids of the Gulf of Mannar, Southeast Coast of India	➢ Detailed below	
	➢ During the study period, a total of 15 species belonging to two genera: *Lethrinus* (12 spp.) and *Gymnocranius* (3 spp.) along the Gulf of Mannar. Maximum species diversity were recorded in Thoothukudi (15 species), followed by Pamban (5 species) and Chinnamuttom (4 species). ➢ The DNA barcoding was done for three selected lethrinid species namely*, Lethrinus rubrioperculatus, Lethrinus ornatus and Lethrinus mahsena*. The gene sequences were submitted in NCBI genbank with the accession no. PP515617 to PP515619 ➢ The exploitation ratio of all the 3 selected species was found to be < 0.50. It's indicated that all the three species were under-exploited. So, it was recommended to increase the fishing efforts to achieve the optimum MSY level.					
6.	Ms. Adyasha Sahu, U-16-OD-01-005-B-F-003	2022-23	Ph.D.	Eco-modelling of Manakudy Estuarine Complex Southern Coast of Tamil Nadu	• Detailed below	
	• Identification and quantification of plankton using Sedgwick rafter cell • Drying, crushing and sieving of soil for analysing soil parameters like pH, EC and texture etc • Monthly biodiversity sampling to Manakudy estuary, Kanyakumari • Preparing the functional group for ecopath model					
7.	Ms. Kamei Ringjonmeilu, U-16-TR-01-004-B-F-009	2022-23	Ph.D.	Eco-modelling of Punnakayal-Pazhayakayal Estuarine Complex Southern Coast of Tamil Nadu	• Detailed below	
	• Plankton identification and quantification using Sedgwick rafter cell • Drying, crushing and sieving of soil for analysing soil parameters like pH, EC and					

	texture etc. • Monthly biodiversity sampling to Punnakayal-Pazhayakayal Estuarine Complex, Southern Coast of Tamil Nadu • Identification of fish, shellfish and benthos using standard identification key • Preparation of the functional group for eco-path model					
8.	*Ms. V.V. Lakshmi DPF(P) 17015 (FRM)	2020-21	Ph.D.	Studies on biodiversity of fish, hematological and histological alterations in selected fish species of the Ennore Creek, Southeast Coast of India	➢ Detailed below	
	• The present study aimed to assess the current status of finfish and shellfish biodiversity, physicochemical properties of seawater, histology and haematology of *Mugil cephalus* and *Sillago sihama* of Ennore creek and Unpolluted Reference Site (UPRS), Arambakkam. • Based on the abundance of fish species and fishing activities, three sampling stations were selected along the entire stretch of the creek. Sampling was carried out at the three selected stations of the Ennore Creek (S_1, S_2 and S_3) fortnightly for a period of two years from September 2018 to October 2019 and August 2022 to July 2023. • In the present study, a total of 61 fish species were documented from the creek, including 49 species of finfish, and 12 species of shellfish. Among the 11 orders of finfishes, the order Perciformes was found to be the dominant order, represented by 27 species under 16 families. The 12 species of shellfishes included 2 shrimps, 2 crabs and 8 molluscs were recorded. • The estimated biodiversity indices showed spatial and temporal variations in the biodiversity of finfish and shellfish among the three stations of Ennore Creek. • For the analysis of the physicochemical properties of water, water samples were collected from the study sites of Ennore Creek (S_1, S_2, S_3) and UPRS Arambakkam. The parameters analysed included temperature, salinity, pH, dissolved oxygen, biological oxygen demand, chemical oxygen demand, total dissolved solids, total suspended solids, ammonia, nitrite and nitrate. Statistical analysis (ANOVA) showed a significant difference between any two study sites and also between reference site at ($P<0.05$) level except temperature. • Heavy metals such as cadmium, mercury and lead were estimated in seawater and sediment samples collected from Ennore Creek (S_2) and UPRS, Arambakkam. The statistical analysis revealed that there is a significant difference in the levels of these three heavy metals of water and sediment collected from S_2 and UPRS. Similarly, there were seasonal differences in the levels of heavy metals between S_2 and UPRS and also within the stations. • The histological alterations in the tissues of gill, liver and kidney and reduction in the values of haematological parameters of these two fish species in the Ennore Creek, S_2					

	observed in the current study showed that the fishes are exposed to pollution-induced stress at Ennore Creek, making the fishes anaemic, weak, and vulnerable to diseases.					
9.	M. Ponmani	2022-23	Ph.D	Assessment of spatio temporal variation of marine litter along the beaches and mangrove ecosystem of Thoothukudi coas	➢ Detailed below	
	➢ Literature relevant to the research topic and credit seminar was collected. ➢ Marine litter was collected from selected beaches and mangrove ecosystems on a monthly basis. ➢ The collected litter was sun-dried for 3-6 days and then classified into ten categories for beaches and nine categories for mangroves: Plastic, Foamed Plastic, Cloth, Glass and Ceramic, Metal, Paper and Cardboard, Rubber, Wood, and Other Items. The litter was further divided into 41 subcategories. Following standard procedures (Aswathy et al., 2021), the litter was separated, sorted, counted, and weighed. ➢ Ocean based and Single-use plastic litter was the predominant form across all selected sites, with wet and dry weights of approximately 12162.54 g and 1012.9 g respectively. ➢ Muthunagar had the highest amount of litter, with 10853 pieces weighing 1096.8 g, while Hare Island had the least, with 485 pieces weighing 608.4 g per 50 m of beach. ➢ In all five locations, the mangrove floor had the highest abundance of litter compared to the mangrove canopy. ➢ In the Muthunagar mangrove area, the mangrove floor had about 676 pieces of litter weighing 1176.1 g, while the canopy had 39 pieces weighing 36.2 g. The ThoothukudiEcopark had the least litter, with no litter on the mangrove canopy and 24 pieces on the floor weighing 23.1 g. ➢ The dominance, composition, and sources of the litter were identified, with single-use plastic comprising 89.3% of the litter found in both mangrove and beach areas. ➢ The collected plastic litter was characterized using ATR-FTIR spectroscopy, revealing that the dominant forms of litter were polyamide 6D and nylon 6/9 polyhexamethylene ➢ Credit seminar was held on 27.07.2024 ➢ Part-B was conducted on 29.07.2024 ➢ Attended International conference on "Impact of climate change on biodiversity from 11-13th July 2024					
10.	M.J. Thamarai Selvi	2022-23	Ph.D	Synergistic effect of pH and temperature on the toxicity of lead (Pb) and Low	➢ Detailed below	

				Density Polyethylene Microplastics (LDPE-MPs) on marine microalgae *Nannochloropsisgaditana*		
	➢ Collected literature related to the research topic ➢ Based on the EC50 value of the acute toxicity test, the experimental concentrations of Pb for the chronic toxicity test were selected as 0.24, 0.33, 0.49, and 0.9 ppm which was conducted for 21 days ➢ The growth and wet biomass chlorophyll a, b, and carotenoids were decreased with increased concentration of Pb when compared to the control ➢ The maximum wet biomass and cell density were recorded as 2.147 and 25.54571 $x10^6$cells/ml and the lowest value recorded as 1.18 and 18.678 $x10^6$cells/ml respectively ➢ Similarly, protein, carbohydrate and lipid were highly reduced during high concentrations of Pb when compared to control but lipid content was increased at the lowest concentrations of Pb ➢ The maximum value of protein, carbohydrate and lipid were recorded as 36.6, 28.2, 47.5 mg/l and the lowest value were recorded as 28.1, 24.1, 37.5 mg/l respectively ➢ Completed credit seminar presentation on the title of "Harmful algal blooms and climate change-Insights and perspective" on 27.07.2024 ➢ Attended International conference on "Impact of climate change on biodiversity from 11-13th July 2024. ➢ work for objectives 2 and 3 has been completed.					
11.	P. Ramesh	2022-23	Ph.D.	Assessment of mangrove species diversity, distribution and cover estimation in Thoothukudi district, Tamilnadu	➢ Detailed below	
	➢ Presented pre-thesis seminar on 25.07.2024. ➢ Submitted thesis on 31.07.2024.					
12.	A. Yamini (I-23-TN-03-002-D-F-009)		Ph.D.	Assessing the efficiency of biodiesel production from fish solid waste generated from Thoothukudi	• Detailed below	
	➢ Comprehensive Qualifying Examination has been conducted. ➢ Part A programme was carried out. ➢ Collection of literature related to seminar was carried out.					

	➢ Sampling sites were visited for preliminary analysis. ➢ The water, sediment and commonly available fishes were collected from the sampling sites S3 (Mandapam), S5 (Ervadi), S1(Thondi), S2 (Devipattinam) and S6 (Mookayur) for Pre-monsoon sampling. ➢ The collected fish sample were identified to species level according to FAO identification sheet. ➢ The gastrointestinal tract of fish samples were dissected and preserved in deep freezer for later analysis. ➢ The digestion and separation of microplastics in water samples were carried out. ➢ The sediment samples were subjected to drying and sieving. Then, the sieved samples were digested with 30% hydrogen peroxide followed by separation with salt solutions (NaCl and $ZnCl_2$). ➢ The separated supernatant sample solutions were filtered with Whatman filter paper Grade 1 and dried filter paper were kept in petri dish for microscopic examination.					
13.	Raswin Geoffery, U-20-TN-03-002-D-F-001	2020-21	Ph.D	Nutritional evaluation of black soldier fly larvae (*Hermetiaillucens*) and water hyacinth (*Eichhorniacrassipes*) as a replacement of fish meal in the diets of GIFT Tilapia	• Thesis Submitted	Research paper accepted for publication
	• The first tria,l BSF 40% showed better growth when compared to other black soldier fly larvae incorporated diets. • The second trial, WH 20% showed better growth when compared to other water hyacinth incorporated diets. • Th e third trial, Control diet showed better growth when compared to other combination diets (black soldier fly larvae and water hyacinth (50% each))					
14.	C. Sowmiya, U-20-TN-03-002-M-F-002	2022-23	Ph.D	Influence of *Spirulinaplatensis* and *Kappaphycusalvarezil* as feed supplement on growth, survival and immune response of *Penaeusvannamei* reared in the different culture system	➢ Detailed below	
	• After completion of the first trial, the cultured vannamei from 3 different treatments and 1 control challengd with *Vibrioparahaemolyticus*in BFT					

	• Hepatopancreas of shrimps were collected and preserved for further analysis • The experimental setup was done in triplicate for all treatments and control in RAS • Feeding was done 4 times a day to satiation (7.00 am, 11.00 am, 3.00 pm and 7.00 pm) in both RAS • Periodic sampling was done in RAS for the growth performance of *P.vannamei*					
15.	Abarna, R, U-23-TN-03-002-D-F-001	2023-24	Ph.D	Evaluation of Growth Performance of Rohu (*Labeorohita*) (Hamilton, 1822) by using Aquatic Macrophytes and Fruit Peels	➢Detailed below	
	➢Collected Pineapple skin and Jack fruit skin from the nearby fruit stalls. ➢Initially, dried pine apple skin and Jack fruit skin under shade followed by drying in a hot air oven at 60°C. ➢Grinded them well into fine form and stored in air tight container. ➢Purchased fish meal, ground nut oil cake, wheat flour, corn flour, rice bran, vitamins & mineral mixture from nearby market. ➢Estimated protein content for different feed ingredients along with the fruit peels. ➢Analyzed proximate composition of different feed ingredients. ➢Prepared Formula for feed with the feed ingredients (Fish meal, ground nut oil cake, wheat flour, corn flour and rice bran, vitamins and mineral mixture, Water hyacinth, Water fern, Pineapple and jackfruit) (Aquatic weeds & fruit peels based)					
16.	Anu Mol. A. R U-23-TN-03-002-D-F-003	2023-2024	Ph.D	Evaluation of *Penaeus vannamei*, seaweed and bivalve integrated multi trophic aquaculture farming system in cement tank and lined pond systems	➢Detailed below	
	➢ Procurement of mussels from Vizhinjam CMFRI and stocked in tanks for acclimatization ➢ Ornamental unit prepared for research work					
17.	Antony Heniton P U-23-TN-03-002-D-F-002	2023-2024	Ph.D	Breeding strategy of Indian spiny loach (*Lepidocephalichthys thermalis)* in culture system and molecular charaterization of its reproductive genes	➢ Detailed below	
	➢ Collection of literature was continued					

	➢ Preparing the system for the experiment					
18.	D. Evangeline Paripoorana U-18-TN-03-003-M-F-005	2021-22	Ph.D.	Immune responses of freshwater fishes immunized with inactivated viral vaccines against Tilapia lake virus (TiLV)	➢ Detailed below	
	➢ Vaccination followed by challenge with TiLV study was completed. ➢ Both immune and hematological analysis were done and the results were recorded for the consecutive days of 24 hrs, 48 hrs and 72 hrs. ➢ Samples were further stored for histology and immune gene expression studies. ➢ Experimental infection of pompano with TiLV by intraperitioneal and immersion method was carried out. Experimentally infected fishes were recorded for clinical signs and mortality. ➢ Tissue samples were collected from experimentally infected group and control group for histopathology analysis.					
19.	Mr. Sourabh Debbarma U-15-TR-01-004-B-F-012	2023-24	Ph.D.	Assessment of the ameliorative effect of *Murraya koenigii* extract on pendimethalin toxicity and *Aeromonas hydrophila* infection in *Labeo rohita* fingerlings.	➢ Detailed below	
	➢ Prepared dried *M. koenigii powder*; extract for the next experiment. ➢ Initiated framework of feed preparation. • Freeze dried *M. koenigii* extract sent for FTIR analysis. • LC/MS of *M.Koenigii* extract were completed. ➢ Setting up of experimental study was carried out					
20.	R. Prathisha U-20-TN-03-002-D-F-002	2020-21	Ph.D.	Effectiveness of green synthesized nanoparticles for the treatment of bacterial disease *Photobacterium damselae* subsp. *damselae*	➢ Detailed below	
	➢ Part B was completed on 26.07.2024. ➢ Samples sent for characterization of nanoparticles. ➢ FESEM and EDAX analysis were obtained for guava extract mediated ZnO nanoparticles which further confirmed the elemental composition of the ZnO nanoparticles. ➢ FTIR and XRD results confirmed the ZnO nanoparticles synthesized via pomegranate peel extract. ➢ Isolation and PCR confirmation for the Photobacterium damselae subsp. damselae were					

	carried out ➢ Acute toxicity study was conducted for the ZnO nanoparticles and the results were recorded. ➢ The pathogenicity study was conducted with confirmed 3 isolates of pdd and the results were recorded.					
21.	J. Amala Sanjeevaa U-21-TN-03-002-D-F-003	2021-22	Ph.D.	Design upgradation of serial collapsible carb trap for sustainable exploitation of crab resources along the coast of Ramanathapuram district	• Detailed below	
	➢ Presented pre thesis seminar on 25.07.2024. ➢ Part B was conducted on 31.07.2024 ➢ Submitted thesis on 31.07.2024.					
22.	S. Archana U-21-TN-03-002-D-F-003	2021-22	Ph.D.	Investigation on deep sea fishing in selected fishing harbours	• Detailed below	
	• Presented pre thesis seminar on 25.07.2024. • Part B was conducted on 31.07.2024. • Submitted thesis on 31.07.2024.					
23.	R. Velmurugan U-20-TN-03-002-D-F-007		Ph.D	Investigation on the trawl net and seine nets of Chennai and Pulicat coast	• Detailed below	
	➢ Collected review of literature ➢ Survey schedule was prepared for the collection of length frequency data and design details of selected fishing gears ➢ Presented credit seminar on 26.07.2024 ➢ Part B III semester was conducted on 31.07.2024 ➢ Collected review of literature ➢ Survey schedule was prepared for the collection of length frequency data and design details of selected fishing gears					
24.	E. Dinesh Kumaar U-20-TN-03-002-D-F-006		Ph.D	Investigation on the Cephalopod fishery of Selected maritime districts of Tamil Nadu	• Detailed below	
	• Collection of catch data and species composition of cephalopods at Ramanathapuram district , Kanyakumari district, • Thoothukudi district and Nagapattinam district • Presented credit seminar on 26.07.2024					

	• Collection of catch data and species composition of cephalopods at Ramanathapuram district , Kanyakumari district, • Thoothukudi district and Nagapattinam district					
25.	Sumit Kumar Verma I-18-TN-03-002-D-F-012	2018-19	Ph.D.	Microwave processing for drying, blanching and thawing of shrimp (*Metapenaeusdobsonii*)**:** Evaluation and quality characterization	➢ Detailed below	
	Work done (in brief): Mr**.** Sumit Kumar- Verma ➢ Final viva-voce Completed on 24.07.2024					
26.	B. Deepika U-19-AP-03-006-M-F-001	2021-22	Ph.D	Extraction of bioactive compounds from seaweeds using green technologies and assessment of quality characteristics of seaweed fortified cosmeceutical and confectionery products	➢ Detailed below	
	• *Hypnea pannosa and S. wightii* extracts (ethanol and aqueous) showed high total phenolic and flavonoid content, particularly in the ethanol extract, which contributed to significant antioxidant, anti-aging, anti-wrinkling, and antibacterial activities. • Both the seaweed powders showed non-toxic properties in cytotoxic assays. • Among different extraction methods of bioactive compounds, ultrasound-assisted extraction yielded the highest quality agar, carrageenan, fucoidan, and fucoxanthin, enhancing gel strength, viscosity, functional polysaccharide content, and purity. • Seaweed-enriched creams and soaps demonstrated superior antioxidant, anti-inflammatory, and anti-cancer activities, with enhanced skin compatibility, spreadability, and stability over control formulations. • Carrageenan cream exhibited improved phytochemical content, viscosity, and spreadability, and it had significant antioxidant, anti-aging, and antibacterial activities. • Seaweed soap had better lather, phenolic content, and bioactivity (antioxidant and anti-bacterial) than control soap, which lacked these enhanced properties. • In chocolate, seaweed extract (*Sargassum wightii*) and bioactive fucoidan and fucoxanthin improved antioxidant, anti-inflammatory, anti-cancer, and anti-diabetic effects over control chocolate. • Fucoxanthin chocolate exhibited improved bioactive properties compared to seaweed, fucoidan, and control chocolate. • Seaweed bioactives imparted denser, more compact textures to soaps and chocolates, enhancing product consistency and stability.					

	• Seaweed-infused products had longer stability, with face creams and soaps maintaining quality for up to 720 days, while chocolate retained freshness for 180 days. • Due to their robust bioactive and functional properties, seaweed bioactives, including phenolics and polysaccharides, offer promising applications in health-enhancing cosmetic and food products.					
	Department of Fisheries Extension, Economics and Statistics					
27.	Ms. Vishaka Gurung (U-18-TN-03-002-M-F-024)	2020-21	Ph.D.	Impact of climate change on aquaculture and developing climate resilient strategies for improving livelihoods of fish farmers in the selected districts of West Bengal		• Detailed below
	• Thesis writing and research paper writing are under progress • Part – B fixed to the students and she failed to attend the review programme					
28.	Mr. T. Iyyappan (U-18-03-002-M-F-022)	2020-21	Ph.D.	Achievement motivation and attitude of ornamental fish entrepreneurs towards market-led extension in Tamil Nadu		➢ Thesis submitted ➢ Awaiting for final viva voce exam
29.	Ms. Arni Sanchi G Momim (I-20-TN-03-002-M-F-012)	2023-24	Ph.D.	An analysis of the status, challenges and future prospects of aquaculture practices in selected districts of Meghalaya state: Special reference to the impact of climate change		• Data analysis is under progress
30.	Ms. N.K. Sonanla (U-18-TN-03-002-M-F-025)	2020-21	Ph.D.	Development of strategies towards consumer focused marketing of fish and fishery products in Manipur		• Thesis submitted on 18.09.2023 waiting for final viva-

						voce
31.	Mr. P. Sreenivasan (CIFE student)		Ph.D.	Dry Fish Processors in Tamil Nadu: Marketing Functions and Economic Assessment	➢ Research is in progress	--

M.F.Sc.: 28 Nos.

1.	Mr. J. Joyson Paul U-18-TN-03-003-B-F-023	2022-23	M.F.Sc.	Studies on biodiversity, reproductive characteristics and stock assessment of selected carangid fish species along the coast of Gulf of Mannar	➢ Detailed below	
	➢ A total of 278 literature pertaining to biodiversity, reproductive biology and stock assessment of carangids were collected. ➢ A total of 62 species of carangids belonging to 27 genera were recorded from the two selected stations along the southeast coast of Tamil Nadu during the study period between September 2023 and August 2024. ➢ Completed thesis writing part. ➢ Completed Part – B presentation on 01.10.2024 ➢ Submitted thesis on 01.10.2024					
2.	Ms. M. Sharumathi U-18-TN-03-002-B-F-047	2022-23	M.F.Sc.	Studies on Biodiversity, Reproductive Characteristics and Stock assessment of selected Lutjanus fish species of Gulf of Mannar	• Detailed below	
	• A total of 254 literature pertaining to biodiversity, reproductive biology and stock assessment of lutjanids were collected. • DNA isolation using PCR kit was performed for *Lutjanus bangelensis* and *Lutjanus notatus*. • PCR products were sent to Eurofin genomics for sequencing. • PCR product showed multiple bands indicating the contamination of samples.					

	• Tissue samples were sent for DNA barcoding to RGCA and the • sequences were obtained. Sequence of *L. bengalensis* was submitted to NCBI and obtained the accession number. • Completed thesis writing part. • Completed Part – B presentation on 01.10.2024 • Submitted thesis on 01.10.2024					
3.	M. Gangadevi, U-18-TN-03-005-B-F-010	2022-23	M.F.Sc.	Evaluation of fishmeal replacement with spirulina in the diet of juvenile silver Pompano, *Trachinotus blochii* (Lacepede, 1801)	• Pre-thesis seminar held on 21.09.2024 • Part B was conducted on 26.09.2024 • Thesis submitted on 27.09.2024	Research article submitted to Indian Journal of Animal Sciences
4.	I. Kaviyarasi, U-18-TN-03-002-B-F-023	2022-23	M.F.Sc.	Effect of thermal influence on the onset of sex differentiation and sex ratio in Striped Murrel, *Channa striata*	• Prepared histological slides & done sectioning of sample blocks using microtome • Done staining of slides • Observed prepared slides under microscope	Submitted to Aquaculture Journal on 30.09.2024
5.	Gavhane Shrinath Vaijanath, U-18-MH-04-010-B-F-037	2022-23	M.F.Sc.	Effect of dietary supplementation of taurine on the growth and survival of *Channa striata* larvae	• Documented the different growth parameters • Collected samples for hematological analysis • Collected samples for blood biochemical parameters • Analysis of results is in progress	Submitted to Aquaculture Journal on 30.09.2024
6.	A. Asiisa, U-17-TR-01-004-B-F-	2022-23	M.F.Sc.	Effect of fermented	• Detailed below	

	047			tamarind seed for the replacement of soybean meal on the growth performance of Genetically Improved Farmed Tilapia (GIFT)		
	• Procured tamarind seed, germinated seed and preparation of soya meal. • Feed prepared with different levels of tamarind germinated seed meal such as 5%, 10%,15%, 20%, 25% and 30%. • Proximate composition tamarind was analysed • Procured GIF Tilapia from approved hatchery, acclimatized and started experiment on 25/03/2024 (Seed procured on 11/03/2024 and completed growth study experiment on 24/05/2024) • Digestive enzymes Amylase, Lipase and Proteinase were analyzed					
7.	K.Udhayakumaar U-18-TN-03-002-B-F-055	2022-23	MFSc	Assessing the efficiency of biodiesel production from fish solid waste generated from Thoothukudi	• Detailed below	
	• Thesis and research article writing was done • The characterization of the prepared catalyst was done with FTIR, XRD, XRF • Several trails were carried out using the prepared catalyst to find out the ideal heterogeneous catalyst for biodiesel production • The produced biodiesel were subjected to distillation for removal of excess methanol ▪ The produced biodiesel were subjected to GCMS analysis for the fatty acid methyl Ester yield calculations. ▪ Attended International conference on "Impact of climate change on biodiversity from 11-13th July 2024. ▪ Works completed and thesis submitted					
8.	Parkavi (U-18-TN-03-003-B-F-031)	2022-23	MFSc	Prospects of high value fatty acid production from marine microalgae *Navicula* sp., and *Nannochloropsis*s p.,isolated from Gulf of mannar coastal waters	• Detailed below	
	• Literature was collected related to the research work • Experiments were conducted the cultures of *Nannochloropsis salina* and *Navicula clavate*					

	(after reaching the exponential growth phase) to keep at various time period such as 1 day, 2 days and 3 days to assess the effect of darkness on the production potential of PUFA • Algal oil from lyophilized microalgal sample was extracted by using FAME transesterification process. Fatty acid present in algal oil was quantified by using Gas Chromatography • The highest EPA of 25.03% was observed in 3 days dark treatment in *N. clavate* and the highest EPA of 30.43% was obtained from 3 days dark treatment in *N. salina* • Attended international conference on "Impact of climate change on biodiversity- A global perspective" from 11-13th July 2024 • Received first place of an "Appreciation award" in poster presentation at the international conference. • Works completed and thesis submitted					
9.	S. Sakthi (U-18-TN-03-005-B-F-024)	2022-23	MFSc	Ecotoxicological assessment of Ibuprofen and Diclofenac in Rohu (*Labeo rohita*)	• Detailed below	
	➢ The result compilation was carried out. ➢ Data arrangements were carried out. ➢ Attended International conference on "Impact of climate change on biodiversity from 11-13th July 2024. • Part B evaluation conducted on 30.09.2024 and • Thesis submitted on 30.09.2024					
10.	Arasi R.		M.F.Sc.	Hydrothermal liquefaction process of marine diatom *Skeletonema* sp., for biofuel production	• Selected algal species is being maintained in phycology laboratory	
11.	Abisha R. J.		M.F.Sc.	Isolation and characterization of low density polyethylene degrading bacteria from soils of waste disposal sites in Thoothukudi region	• A preliminary survey was conducted to identify the sampling sites	
12.	Shrivasanthan KK		M.F.Sc.	Isolation and characterization	• Preliminary work on	

				of ammonia and nitrite oxidizing bacteria from aquaculture waste water	screening and isolation of ammonia and nitrite degrading bacteria is being carried out	
13.	S. Gobinath U-18-TN-03-005-B-F-011	2022-23	M.F.Sc.	Prophylactic effect of Gooseberry (*Phyllanthus acidus*) and Oregon (*Coleus amboinicus*) extracts against Tilapia Lake Virus	• Detailed below	
	• Experimental study with diet containing herbal extracts (Gooseberry (*Phyllanthus acidus*) and Oregon (*Coleus amboinicus*)) was completed. • Both immune and haematological analysis was done and the results were recorded for the consecutive days of 24 hrs, 48 hrs and 72 hrs. • Tissue samples were also stored for histology and immune gene expression studies • Presented research finding in Pre-thesis seminar presentation held on 21.09.2024. • Thesis has been submitted					
14.	M. Veeramani U-18-TN-03-005-M-F-030	2022-23	M.F.Sc	Investigations on the fishing gears used for Octopus fishery along the palk bay region of Ramanathapuram district	• Detailed below	
	• Presented pre thesis seminar on 21.09.2024. • Part B was conducted on 30.092024. • Submitted thesis on 01.10.2024.					
15.	Emima U-18-TN-03-002-M-F-007	2022-23	M.F.Sc	Development of artificial fish bait using surimi and bio attractants from fish processing waste	• Detailed below	
	• Presented pre thesis seminar on 21.09.2024. • Part B was conducted on 01.10.2024 • Submitted thesis on 01.10.2024.					
16.	Abhinanda Jena U-18-OD-01-005-B-F-002		M.F.Sc	Valorization of fish scales for the extraction and characterization	• Detailed below	--

				of gelatin hydrolysate		
	• Calculation of the yield of gelatin. • Calculation of degree of hydrolysis (DH) and peptide chain length (PCL). • Protein estimation of the gelatin hydrolysate and its different molecular weight fractions using Kjeldahl method. • Writing of the final manuscript for paper submission.					
17.	R. Rajakumari U-18-TN-03-002-BF-036	22-23	M.F.Sc	Authentication of seer fish using PCR based Molecular Technique	• Detailed below	
	• Data analysis and thesis writing. • Submitted a research article on "Simple PCR technique for rapid authentication of seer fish species using newly designed genus-specific primer" submitted to the Journal of Food Control.					
18.	G. Arivukarassi U-22-TN-03-002-MF-002	22-23	M.F.Sc	Distribution of heavy metals in protein fractions of raw and thermally processed fish and shell fish	• Detailed below	
	• Analysis of heavy metals in protein fractions • Data analysis and thesis writing Introduction, Materials and methods of thesis written.					
19.	S.V. Rahul U-18-TN-03-002-BF-035	22-23	M.F.Sc	Detection and Characterization of *Vibrio parahaemolyticus* in water and fishes of Thoothukudi fish landing centres	• Data analysis and thesis writing.	
20.	S. Krishnakumar U-18-TN-03-003-BF-026	22-23	M.F.Sc	Influence of Commercial feeds and processing method and the fatty acids profile of cultured stripped murrel as compared to wiled captured murrel *ChannaStriata* (Bloch, 1793)	• Data analysis and thesis writing.	

21.	Miss. Abhinanda Jena	22-23	M.F.Sc	Valorization of fish scales for the extraction and characterization of gelatin hydrolysate	• Result compilation and thesis writing • Research manuscript Writing	
22.	Ms.P.N.Aishwarya (ID. No. U-18-TN-03-005-B-F-002)	2022-23	M.F. Sc	A study on Public-Private Partnership ventures in Fisheries sector of Tamil Nadu		• Thesis submitted
23.	Ms.S.Vivitha (ID. No. U-18-TN-03-002-B-F-059)	2022-23	M.F.Sc.	Assessment of knowledge, attitude and perception of fishermen on marine fisheries management and conservation in selected coastal districts of Tamil Nadu		• Thesis submitted
24.	Ms. Swathi, S. (ID. No. U-18-TN-03-002-B-F-050)	2022-23	M.F.Sc	An analysis on the prospects, issues and challenges of deep sea fishermen in Kanyakumari district, Tamil Nadu		• Thesis submitted
25.	Ms. Jaya Prabha S (I-22-TN-03-002-MF-004)	2022-23	M.F. Sc	Gender impact assessment and entrepreneurship development among the fish workers in Cuddalore and Thoothukudi districts of Tamil Nadu		• Detailed below
	• In Cuddalore district- HDI of male (0.60) was higher than HDI of female (0.53) and then GDI (0.88) • In Thoothukudi district – HDI of male (0.61) was higher than HDI female (0.55) and then GDI (0.90)					

	• 60% and 78% of fish workers lack skills in developing entrepreneurship in FLC and FMC respectively					
26.	Mr. Thayala Arjun G. (U-22-TN-03-002-MF-003)	2022-23	M.F.Sc.	Assessment of Labour Productivity and Livelihood Capitals of Maritime Labours in Ramanathapuram and Thoothukudi Districts of Tamil Nadu		• Given below
	Research Findings • The average age and income of maritime labours across the districts was estimated as 39, 48, and 33 years & ₹15,037, ₹19,838, and ₹17,846 for FLC, FM and PHC, respectively • The overall labour productivity was calculated as 339 kg/trip/person for FLC, followed by FM (33 kg/trip/person) and PHC (18 kg/trip/person), respectively • The estimation of livelihood capitals of FLC revealed that Ramanathapuram reported as highest at 0.4226 compared to Thoothukudi (0.3914) similar to fish market, whereas in PHC, Thoothukudi was reported highest (0.5067) than Ramanathapuram (0.3853)					
27.	Ms. Ishani S Gowda	2023-24	M.F.Sc	Economic Valuation of Fisheries based Ecotourism in Coastal Karnataka		• SRGW remarks were carried out
28.	Mr.S.Dawood Ibrahim	2023-24	M.F.Sc	Socio-economic impact assessment of freshwater fisheries enterprises in selected districts of Cauvery delta region, Tamil Nadu.		• SRGW remarks were carried out

(ii) Dr. M.G.R. Fisheries College & Research Institute, Ponneri

Sl. No.	Name of the Research Scholar and ID.No. of the scholar	Batch	Degree	Title of Research	Research findings	Research output/Product process/Patent
1.	Venkateshwara D U-22-TN-03-003-M-	2022-23	M.F.Sc (DAQ)	Dietary supplementati	• Supplementation of fermented *Ulva lactuca*	

	F-001			on of selected seaweeds on growth performance, enzyme activity, disease resistance and immune Response in *Etroplus suratensis* (Bloch,1790)	at 5% has showed highest frowth and immune response in pearlspot. • Supplementation of fermented *Padina pavonica* at 5% has improved growth performance and at 7.5% showed higher disease resistance and immune response. • Supplementation of fermented *Kappaphycus alvarezii* at 7.5% concentration has showed highest growth and immune response in pearlspot.	
2.	Vignesh P U-18-TN-03-003-B-F-059	2022-23	M.F.Sc (DAQ)	Studies on fermented duck weed (*Lemna minor*) meal as a potential substitute for fish meal replacement in diets of Climbing perch, *Anabas testudineus* (Bloch, 1792)	• 35% and 38% crude protein fed climbing perch showed better growth performance compared to other treatments. • Therefore, 10% fermented duck weed meal incorporated diet containing 35% crude protein is considered as optimal due to its cost effectiveness, efficient nutrient utilization and reduced environmental impact.	
3.	Salkapuram Sandeep Kumar I-22-TN-03-003-M-F-005	2022-23	M.F.Sc (DAQ)	Studies on the effect of *Spirogyra* incorporated diet on broodstock development of pearlspot (*Etroplus suratensis)*	• Synopsis of the thesis was submitted to the Faculty Dean for approval. • Thesis writing and data analysis was performed; prethesis presentation was completed on 20.09.2024. • Part B evaluation on completion of thesis work was done on 30.09.24.	

4.	Ng Chinglembi Devi U-16-TR-01-004-B-F-007	2022-23	Ph.D. (DAQ)	Utilization of fruit peels as phytogenic feed additives on growth performance, pigmentation, and immune responses in Gold fish and Koi carp	• 40% Crude Protein containing experimental feed was prepared for Koi carp fry study trial and it was stored in airtight container.	
5.	S. Porselvan U-18-TN-03-003-B-F-033	2022-23	M.F.Sc (DAAHM)	Surveillance of the viral pathogens in the fishes of 63rganiz Lagoon, Thiruvallur district, Tamil Nadu	• Sampling was carried out at Pulicat lagoon, PCR analysis and interpretation of results • Preparation of thesis • Preparation and submission of manuscript	
6.	V. Santhiya U-18-TN-03-003-B-F-044	2022-23	M.F.Sc (DAAHM)	Development of multiplex PCR assays for simultaneous detection of viral pathogens in shrimp.	• Collection of literature related to PCR assays. • Development and standardization of multiplex PCR assay was carried out. • Sensitivity testing of multiplex PCR assay was carried out by varying DNA concentrations	
7.	E. Manimozhi U-18-MH-01-001-M-F-047	2021-22	Ph.D. (DAAHM)	Metagenomic analysis of gut microbiome inn pearlspot, *Etroplus suratensisfed* with probiotic and its dynamics during challenge with a bacterial pathogen	• Data analysis and compilation of probiotic trial • Lyophilisation of old bacterial cultures from glycerol stock - 5	
8.	Ponsrinivasan A U-21-TN-03-003-B-F-002	2021-22	Ph.D. (DAAHM)	Development and standardization of rapid diagnostics kits	• Standardized RT-LAMP assay for detection of Tilapia Lake virus - temperature, Standardization of	

				for detection of Tilapia Lake Virus (TilV) infecting Tilapia	temperature Uniplex and Multiplex PCR assays for of *Aeromonas veronii* and *Streptococcus agalactiae* • Manuscript was on prepared Outbreaks of Tilapia Lake Virus (TiLV) associated with co-infecting bacteria in Tamil Nadu, India: Pathological and Molecular Insights and Enhancing Tilapia Lake Virus (TiLV) Detection - A Comprehensive Multiplex PCR Approach	
9.	Ms. Jayasri U-22-TN-03-003-M-F-004	2022-23	M.F.Sc (DFPT)	Development of process for the preparation of seaweed based leather	• Research papers (APA style with Impact Factor) – Published only • Preparation and characterization of leather-like sheets from Sargassum seaweed submitted	
10.	K. Iswarya U-18-TN-03-005-B-F-012	2022-23	M.F.Sc (DFPT)	De novo evolution of antibiotic resistance in salmonella Montevideo isolated from cultured shrimp on exposure to water quality stressors	• 7 water quality stressors and 26 multiple water quality stressors were identified • The evoluation of *Salmonella* Monteviredo against the antibiotics showed development of resistance. Specifically maximum resistance occurred in 5 ppm ammonia and 37 degree celcius condition. • Transcriptome analysis revealed maximum	
11.	J. Jeevitha U-22-TN-03-003-M-	2022-23	M.F.Sc (DAEM)	Trophic transfer, bio	• Heavy metals copper and lead in water,	

	F-003			accumulation and bio magnification of copper and lead in Pulicat lagoon	sediment and plankton samples were analysed. • Analysis of heavy metal copper and lead in selected fishes were assessed. • Bioaccumulation and Biomagnification factor of copper and lead in the selected species were calculated. • Data compilation and statistical analysis was done.	
12.	A. Akila U-22-TN-03-003-M-F-002	2022-23	M.F.Sc (DAEM)	Comparison of adsorption propensity of biochar of various parts of *Typha*sp. with special reference to lead.	• Adsorption experiments were conducted at varying pH levels 4,5,6 and 7 using 0.2g dosage of biochar. • Selected biochar was used for further characterization analysis such as SEM, CHNS and FTIR. • Correction and submission of manuscript and thesis was carried out.	
13.	T.Harishkumar U-18-TN-03-003-B-F-017	2022-23	M.F.Sc (DFEES)	Study on Marine Fisheries and Fishers of Thiruvallur District, Tamil Nadu.	• Data analysis completed, and writing is going on.	
14.	ShwetaBiswas U-18-TN-03-003-B-F-052	2022-23	M.F.Sc (DFEES)	Institutional mechanism of Marine fisheries governance in India. Evaluating effective framework for sustainable fisheries management.	• Data analysis completed, and writing is going on.	

15.	Paplin Prince U-18-TN-03-002-B-F-030	2022-23	M.F.Sc (DFRM)	Study on diversity, biology and stock characteristics of selected Scombrid species in Royapuram fishing harbour, chennai	• Ten species of scombrids were recorded from the Royapuram fishing harbour, Chennai. • The spawning season of Auxis thazard was found to be from February to April and Euthynmus affinis to be between October and November and March. • The stocks of both Auxis tazard and Euthynmus affinis were found to be under fishing pressure.	
16.	R.G. Sasikumar U-18-TN-03-003-B-F-045	2022-23	M.F.Sc (DFRM)	Stock assessment of selected species of Nemipterides along Nagapattinam and cuddalore coasts	• During the study, 19 species of nemipterids comprised of 3 genera, namely *Nemipterus* (eleven species), *Scolopsis* (four species) and *Parascolopsis* (four species) were reported along the Nagapattinam and Cuddalore coasts. • In the Nagapattinam region, all the 19 species were recorded but in Cuddalore region, only 12 species were recorded. The nemipterid landings were high in the month of December' 23 to March' 24 and June' 24 to September' 24.	

(iii) Dr. M.G.R. Fisheries College & Research Institute, Thalainayeru

Sl. No.	Name of the Research Scholar and ID. No. of the scholar	Batch	Degree	Title of Research	Research findings	Research output/ Product process/ Patent
1.	Mr.V.Ranjith Kumar U-21-TN-03-003-M-F-010 (FRM)	2021-22	M.F.Sc.	Reproductive biology and stock assessment of selected species of Lutjanids from Nagapattinam Region	• Thesis Submitted • Preparation of the research paper is in progress	NIL
2.	Mr.A. Kanishkar U-17-TN-03-003-B-F-017 (FRM)	2021-22	M.F.Sc.	A comparative study on fish community of Muthupet and Karankadu estuaries of Palk Bay, Tamil Nadu	• Thesis Submitted • Preparation of the research paper is in progress	NIL
3.	J.Musraf Sulaiman (FET)	2022-23	M.F.Sc.	Investigation on the trammel nets operated from Periyathalai and Singithurai fishing villages of Gulf of Mannar	• One Manuscript is communicated	NIL
4.	Ms. Ishani S Gowda	2023-24	M.F.Sc.	Economic Valuation of Fisheries based Ecotourism in Coastal Karnataka	SRGW remarks were carried out and the research proposal was approved	NIL
5.	Mr. S.Dawood Ibrahim	2023-24	M.F.Sc.	Socio-economic impact assessment of freshwater fisheries enterprises in selected districts of Cauvery delta	SRGW remarks were carried out and the research proposal was approved	

				region, Tamil Nadu.		
6.	Ms. Jaya Prabha S	2022-23 batch	M.F.Sc.	Gender impact assessment and entrepreneurs hip development among the fish workers in Cuddalore and Mayiladuthurai districts of Tamil Nadu	• Completed data analysis • Pre-thesis presentation completed. • Part B Evaluation was done.	
7.	Mr.Thayala Arjun G.	2022-23	M.F.Sc.	Assessment of Labour Productivity and Livelihood Capitals of Maritime Labours in Ramanathapur am and Thoothukudi Districts of Tamil Nadu	• Completed data analysis • Pre-thesis presentation completed. • Part B Evaluation was done.	
8.	Mr. Sourabh Debbarma		Ph.D.	Efficacy of Herbal based Tamil Nadu variety of Curry leaf (*Murraya koenigii*) extract in Labeo rohita fingerlings exposed to Pendimethalin toxicity and it's susceptibility to *Aeromonashyd rophila* infection.	• Analysis is in progress	
9.	Mr.M.Subramaniy an		M.Tech	Assessment of inbreeding rate, reproductive performance	• Thesis writing in progress	

				and genetic diversity of hatchery-bred *Labeo rohita* populations of Tamil Nadu		

(iv) Institute of Fisheries Postgraduate Studies, Chennai

Sl.No.	Name of the Research Scholar and ID.No. of the scholar	Batch	Degree	Title of Research	Research findings and status
1.	Mrs. JemilaThangarani U-19-0-TN-03-007-D-F-002 Chairman: Dr. N. Felix	2019-20	Ph.d	Effects of dietary selenium sources on the growth, antioxidant activity and fillet quality of Nile Tilapia, *Oreochromisniloticus* and Pangasius catfish, *Pangasiuspangasius*	Submitted
2.	Mrs. R. Ramya U-20-TN-03-007-D-F-003 Chairman: Dr. S. A. Shanmugam	2020-21	Ph.d	Enhaancement of PUFA and identification of bioactive compounds in the selected marine microalgae	Submitted
3.	M. Balaganesan U-20-TN-03-007-D-F-001 Chairman: Dr. S. A. Shanmugam	2020-21	Ph.d	Species specific molecular signatures and evolutionary status of the fishes ofThamirabarani riverine system forConservation and management	Submitted
4.	Mr. Modi Kiran Piyshbhai U-18-TN-03-007-M-F-001 Chairman: Dr. V. Kaliyamurthi	2021-22	Ph.d	Investigation of cardioprotective effects of multi-targeting compounds in lipopolysaccharide stimulated zebrafish model via Notch signalling pathway.	Submitted the thesis
5.	Mrs. SonalismitaMahapatra U-18-TN-03-007-M-F-003 Chairman: Dr. S. Prakash	2021-22	Ph.d	Effect of Ulvan mediated mono, and bimetallic Silver, Zinc and Selenium nanoparticles on growth and immune gene expression in *Channastriata* (Bloch, 1793)	Pursuing
6.	Mr. Rahul JaiswalRamsree U-18-TN-03-007-M-F-008 Chairwoman: Dr. A. Uma	2021-22	Ph.d	Assessing the toxic effects, haemato- biochemical, histopathological responses and gene expression in aquatic models exposed to microplastics	Pursuing
7.	Mr. NarsinghKashyap	2021-	Ph.d	A study on the effect of	Pursuing

	U-18-TN-03-007-M-F-004 Chairman: Dr. E Suresh	22		*Withania*somnifera root extract on the maturation, reproduction and immune-related gene expression in common spiny loach (*Lepidocephalichthysthermalis*)	
7.	G. Sathishkumar U-18-TN-03-007-M-F-010 Chairman: Dr. N. Felix	2021-22	Ph.d	Optimizing formulated diet for striped murrel, (*Channastriata)* through physiological responses.	Submitted
8.	K. Rajalakshmi U-18-TN-03-007-M-F-01 Chairman: Dr. N. Felix	2021-22	Ph.d	Novel aqua feed formulations using sustainable ingredients for Pacific white shrimp (*Penaeusvannamei*)	Submitted
9.	M. Flarance Beulah DPV 22010 (LS) Chairman: G. Dharani	2022-23	Ph.d	Characterization of lactic acid bacteria from the gut of finfish exhibiting potential probiotic activity against Vibrio sps., and the effect of those bacteria in removing surplus nutrients from the aquaculture pond.	Pursuing
10.	Volga A DPV 22011 (LS) Chairman: Dr. Deepak Agarwal	2022-23	Ph.d	Evaluation of Neuroprotective Potential of Novel metabolite Extracted from Seaweed Using Integrated *In Silico, In Vitro*, and *In Vivo* Approaches	Pursuing
11.	Komuhi N.B. U-23-TN-03-007-D-F-001 Chairman: Dr. Amit Ranjan	2023-24	Ph.d	Functional feed development for striped murrel through molecular and histomorphological approaches	Pursuing
12.	Kalaiselvan. P U-18-TN-03-005-B-F-013 Chairman: Dr. Amit Ranjan	2022-23	M.F.Sc	Effects of Different Weaning Strategies on Survival, Growth, and Digestive Ontogeny of *Channastriata*(Bloch, 1917) larvae	Submitted
13.	Jishu Banerjee ID No: U-18-JH-01-010-B-F-015 Chairman: Deepak Agarwal	2022-23	M.F.Sc	*In Silico* Screening and *In vivo* of Antiviral Compounds against White Spot Syndrome Virus (WSSV) in *Penaeusvannamei* (Boone, 1931)	Completed 1st chapter of Thesis. Arranged the shrimp sample for experiment
14.	Miss. M. Kavitha U-18-TN-03-003-B-F-025 Chairman: Mrs. JemilaThangarani	2022-23	M.F.Sc	Evaluation of nano zinc on the growth and immunological response of GIFT Tilapia (*Oreochromisniloticus*)	Pursuing

15.	Mr. Prahar Sharma U-18-CG-02-004-B-F-043 Chairman: Dr. AmbikaBinesh	2022-23	M.F.Sc	Isolation and structural elucidation of bioactive secondary metabolites from *Gracilariaedulis* as COX-2 inhibitor	Pursuing
16.	Mr. Shiv Kumar Yadav U-18-JH-01-010-B-F-016 Chairman: Dr. E. Suresh	2022-23	M.F.Sc	Genetic characterization of *Scatophagusargus* populations of East Coast of India using mitochondrial DNA markers.	Pursuing
17.	M. Subramaniyan U-22-TN-003-M-F-001 Chairman: Dr. E. Suresh	2022-23	M.F.Sc	Assessment of inbreeding rate, reproductive performance and genetic diversity of *LabioRohita*(Hamilton,1822) population of fish hatcheries of Tamil NAdu	Pursuing
18.	G. Swaminathan U-23-TN-03-007-M-F-003 Chairman: Dr. Deepak Agarwal	2023-24	M.F.Sc	Transcriptomic Responses to Thermal Adaptation in Pearl Spot (*Etroplussuratensis*): Insights from RNA sequencing	Pursuing-SRGW completed
19.	Sriranjani. K. U-23-TN-03-007-M-F-007 Chairman: Dr. Amit Ranjan	2023-24	M.F.Sc	Effect of dietary alpha amylase supplementation on carbohydrate utilization in Channastriata juveniles	
20	M. Kavimurugaraja U-23-TN-03-007-M-F-006 Chairman: Mrs. M.JemilaThangarani	2023-24	M.F.Sc	Effect of hydroxy - selinomethionine supplementation on growth and selenium retention of Nile tilapia (*Orecochromisniloticus*)	
21..	K. R. Karthick Ram Narayanan U-23-TN-03-007-M-F-002 Chairman: Dr. V. Kaliyamurthi	2023-24	M.F.Sc	Isolation and structural elucidation of bioactive secondary metabolites from *Portieriahornemannii* as NF-kB inhibitor	
22.	Abdullah M Hasbullah I-23-TN-03-007-M-F-001 Chairman: Dr. V. Kaliyamurthi	2023-24	M.F.Sc	The Effect of reserveratol on high glucose induced macrophage modulation and inflammatory cytokines in zebrafish and THP-1 cells.	
23.	Maria SusilaVinisha U-23-TN-03-007-M-F-004 Chairman: Dr. E. Suresh	2023-24	M.F.Sc	Building a comprehensive DNA Barcoding for fishes of Kovalam Coast, Chennai	
24.	P. Hariharan	2023-	M.F.Sc	Estimation of heterosis for	

	U-23-TN-03-007-M-F-005 Chairman: Dr. E. Suresh	24		growth traits in a full diallel cross of three strains of tilapia	

(iv) TNJFU Fisheries Business School, Chennai

Sl.No.	Name of the Research Scholar and ID.No. of the scholar	Batch	Degree	Title of Research	Research findings	Research output/Product process/Patent
1.	Giri Balaji (MBA 22017)	2021-22	MBA	Performance of American Penaeid Inc. (Florida) Broodstock Genetic lines among Indian Shrimp Farmers	• Key factors influencing the decision of shrimp farmers in seed selections are profitability and performance of shrimp. • Data indicates that the American Penaeid Broodstock Genetic Line benefits farmers in profitability which is a desirable goal of all entrepreneurs.	-
2.	Himanshu Bagde (MBA 21018)	2021-22	MBA	A Study on Opportunities and Challenges on Waste Management in Fish Processing Industry	• Respondents from all selected states indicated that their firms integrated waste management practices into their overall sustainability	-

					strategy • In Gujarat and Maharashtra, majority of waste was solid waste comprising of fish offal and converted them into by-products.	
3.	J. Jayakaran (MBA21019)	2021-22	MBA	Study on consumer buying behavior using market basket analysis through TNFDC developed Meengal App in Chennai	• The most selling seafood in Chennai is Prawn (vannamei), Sankara, Nethili (Whole), Bekti Full, Seer Slice, Oil Sardine small (Whole), Indian Salmon Sillago, Mackerel Fish / Ayila, Catla, Crab Big, Prawn Big (S/W), Black Pomfret, Barracuda Full, Caranx Full, Seer Small, Rohu, Lethrinus, Tuna Full, Prawn Small (S/W). • Good quality of seafood is the main factor influence the customer to	-

					decide on the purchase platform. Based on both Meengal app users and non-users, it was observed that quality is the main factor in deciding where to purchase.	
4.	Krishnakant Choudhari (MBA21020)	2021-22	MBA	Study on the performance of BMR shrimp feed in *Penaues vannamei* farming	• The sample respondents were aware of performance of BMR shrimp feed in shrimp farming as well as intend to continue using BMR shrimp feed and recommend to other shrimp farmers • Findings of the study revealed that there was anexellent performance of shrimp feed and had an awareness on BMR shrimp feed usage and adaptability among shrimp farmers.	-

5.	Steve Clement (MBA21021)	2021-22	MBA	A study on skill assessment of fisheries graduates for employment in fisheries industry	• Around 80 students were interviewed to analyze the available skills and the requirements they need to improve them • Findings of the study revealed that there was a lack of skill factors that are required by the companies and this analysis helped to understand the possibilities to provide the required skills for the student to be eligible candidates.	-
6.	M. Balaji (MBA 22022)	2022-23	MBA	A Study on Challenges in Seaweed Farming in Coastal Region of Tamil Nadu	Synopsis Submitted	-
7.	V. Bhagya Lakshmi (MBA 22023)	2022-23	MBA	A Study on Opportunities and Challenges Faced by Women Entrepreneurs in the Fish Retail Market of Ramanathapuram District, Tamil Nadu	Synopsis Submitted	-
8.	K. S. Ishwarya (MBA 22024)	2022-23	MBA	A study on Impact of Extension	Synopsis Submitted	-

				Training offered by Tamil Nadu Dr. J. Jayalalithaa Fisheries University, Thoothukudi to the fish farmers		
9.	Niraj Kumar (MBA 22025)	2022-23	MBA	Assessment of the market potential of aqua drugs and chemicals used in fish culture practices in Bihar	Synopsis Submitted	-
10.	G. Sanjay Kanth (MBA 22026)	2022-23	MBA	A study on feed brand preference among shrimp farmers in Nellore, Andhra Pradesh	Synopsis Submitted	-
11.	A. Sathishkumar (MBA 22027)	2022-23	MBA	A study on impact of digital marketing on ornamental fish buyers in Chennai, Tamil Nadu	Synopsis Submitted	-
12.	K. Sathyan (MBA 22028)	2022-23	MBA	A study on the challenges faced by farmers on cultivation of Penaeus monodon in the coastal areas of Tamil Nadu	Synopsis Submitted	-
13.	T. Srinidhi (MBA 22029)	2022-23	MBA	A study on consumer perception of seafood products through online purchase in Chennai, Tamil Nadu	Synopsis Submitted	-
14.	S. Subasri (MBA 22030)	2022-23	MBA	A study on Awareness of Fishermen about various Central and State Government	Synopsis Submitted	-

				Schemes in Nagapattianam district, Tamil Nadu		
15.	S. Yuvaraj (MBA 22031)	2022-23	MBA	A Comparative study on customer satisfaction of CPF and BMR Aquatic health care products among fish farmers in Villuppuram, Tamil Nadu	Synopsis Submitted	-

(vi) Directorate of Incubation and Vocational Training in Aquaculture, ECR, Muttukadu.

Sl.No.	Name of the Research Scholar and ID.No. of the scholar	Batch	Degree	Title of Research	Research findings and status
1	G. Satishkumar	2021-22	Ph.D.	Optimizing formulated diet for striped murrel *Channa striata* through physiological and molecular approaches	• Submitted thesis
2	K. Rajalakshmi	2021-22	Ph.D.	Novel Aquafeed formulations using sustainable ingredients for pacific white shrimp *P. vannamei*	• Thesis submitted.
3	T. Thiruvasagam,	2022-23	Ph.D.	Impact of fatty acids and vitamin E combinations on the gonadal development and reproductive performances of Channa striata	• Raising of brooders for experiment

(vii) Directorate of Incubation and Vocational Training in Fisheries, Ramanathapuram.

Sl.No.	Name of the Research Scholar and ID.No. of the scholar	Batch	Degree	Title of Research	Research findings and status
1.	Veeramani and U-18-TN-03-005-B-F-030	2022-23	M.F.Sc.	Investigation on the fishing gear used for Octopus fishery along the Palk Bay region of the Ramanathapuram District	• Thesis write-up was completed • One paper was submitted to the Journal of Thalasses: International Journal of Marine Sciences • Two research papers

14. Citation index of faculty members and impact factor

(i) Fisheries College & Research Institute, Thoothkudi

Sl.No.	Name of the faculty	h-index	i10 - index	Citations **(Present)**	Research Gate score
1.	Dr. S. Athithan	8	6	199	110.9
2.	Dr. J. Jaculine Pereira	3	-	38	111.9
3.	Mr. A. Anix Vivek Santhiya	3	3	94	-
4.	Dr. V. Rani	11	14	397	242.3
5.	Dr. D. Manimekalai	5	2	59	50.6
6.	Dr. A. Juliet Selvarani	3	1	48	16.7
7.	Dr. G. Arul Oli	-	-	-	-
8.	Dr. T. Umamaheswari	4	1	55	67
9.	Dr. B. Manikandan	2	-	7	7
10.	Dr. N. Jayakumar	10	10	316	619.9
11.	Dr. R. Durairaja	3	--	23	46.8
12.	Mr. K. Karuppasamy	4	1	77	285.7
13.	Dr. B. Chrisolite	8	5	67	179
14.	Dr. P. Sivasankar	6	4	105	132
15.	Dr. P. Ganesan	4	3	83	88
16.	Mr. M. Muruganantham	2	-	5	8
17.	Dr. B. Sivaraman	12	14	372	405
18.	Dr. R. Shalini	16	19	749	777
19.	Dr. F. Parthiban	6	3	86	101
20.	Dr. U. Arisekar	16	19	762	765

21.	Dr. N. Neethiselvan	8	5	733	5.18
22.	Dr. T. Ravikumar	7	5	140	7.19
23.	Th. S. Mariappan	3	0	24	1.70

(ii) Dr. M.G.R. Fisheries College & Research Institute, Ponneri

Sl.No.	Name of the faculty	h-index	i10 – index	Citations (Present)	Research Gate score
1.	Dr. R. Jeya Shakila	34	97	4262	-
2.	Dr. S. Selvaraj	19	23	548	1049
3.	Dr. V. Ezhilarasi	2	1	26	26
4.	Dr. A. Uma	16	28	895	392.0
5.	Dr. S. Saravanan	3	3	39	42
6.	Dr. D. Kaviarasu	3	1	27	30
7.	Dr. S. Aruna	3	1	20	23
8.	Mrs. B. R. Sona	2	0	5	5
9.	Mrs. Nimish Mol Stephen	8	7	473	756
10.	Dr. N. Muralidharan	17	21	815	1220
11.	Dr. K. Masilan	7	5	142	138
12.	Mr. R. Velmurugan	5	1	28	34
13.	Mr. D. ArunJenish	2	-	7	7
14.	Dr. Lloyd Chrispin	6	4	112	120
15.	Dr. L. Surulivel	2	2	-	-
16.	Mr. P. Pavinkumar	5	3	52	64
17.	Dr. N. Sudhan	7	5	138	146
18.	Dr. N. Moulitharan	6	5	91	93
19.	Dr. A. Jacklinwino	2	1	11	13
20.	Mrs. S. Agnes Daney Angela	-	-	-	-

(iii) College of Fisheries Engineering, Nagapattinam

Sl.No.	Name of the faculty	h-index	i10 - index	Citations (Present)	Research Gate score
1.	Dr. N. Manimehalai	6	4	110	143.7
2.	Dr. Mohammad Tanveer	9	9	214	262.2
3.	Dr.M.Kamalakannan	5	2	63	75.8
4.	T.L.S. Samuel Moses	5	0	56	38.2
5.	Er.R.Rengarajan	2	1	38	02
6.	Er.C.Mercy Amrita	3	1	37	112.1
7.	Dr. P. Karthickumar	7	6	130	262.7
8.	Dr.D.Kesavan	23	41	2403	1208

9.	Dr. M.Ramar	5	2	68	70.3
10.	Er.S.Monikandon	4	0	41	80.5
11.	Er. D. Babiyola	2	0	20	27.5

(iv) Dr. M.G.R. Fisheries College & Research Institute, Thalainayeru

Sl. No.	Name of the staff and Designation	h-index	i10 index	Citations (past 5 years)	Citations (overall)
1.	Dr. S. Balasundari Dean	5	4	58	96
2.	Dr.V.Senthilkumar Associate Professor & Head	2	2	12	18
3.	Dr.S. Santhoshkumar Assistant Professor & Head	4	3	50	62
4.	Dr. V. Alamelu Assistant Professor & Head	5	4	88	88
5.	Mrs. Vimaladevi Assistant Professor	1	1	10	16
6.	Dr. A. Subburaj Assistant Professor	5	5	99	115
7.	Dr.P. Elakkanai Assistant Professor	3	-	15	15
8.	Mrs. M. Muthu Abishag Assistant Professor	2	0	61	61
9.	Dr. S. Deepika Assistant Professor	4	0	26	26
10.	Mr.V.Durai Assistant Professor	4	1	43	59
11.	Mr. P. Yuvarajan Assistant Professor	4	1	41	42
12.	Dr. S. Kesavan Assistant Professor	3	2	88	88
13.	Mrs. S.J Abisha Juliet Mary Assistant Professor	1	0	2	2
14.	Dr.Mahadevi Assistant Professor	4	-	25	29
15.	Dr.A. Brita Nicy Assistant Professor	4	2	38	41
16.	Mr. M. Mohammed Faizullah Assistant Professor(C)	5	1	69	85
17.	Dr. M. Petchimuthu Assistant Professor (C)	4	1	33	37
18.	Dr. R. Palani Assistant Professor (C)	2	1	18	18
19.	Mr. P. Praveenkumar Assistant Professor (C)	3	-	16	16

(v) Institute of Fisheries Biotechnology, chennai

Sl.No.	Name of the faculty	h-index	i10 - index	Citations (Present)	Research Gate score
1	Dr. K. Kumanan	23.0	46.0	1757	960.4

(vi) Institute of Fisheries Postgraduate Studies, Chennai

Sl.No.	Name of the faculty	h-index	i10 - index	Citations (Present)	Research Gate score
1.	Dr. S. A. Shanmugam	14	16	679	-
2.	Dr. P. Sriram	8	6	174	-
3.	Dr. E. Suresh	7	6	158	-
4.	Dr. V. Kaliyamurthi	11	11	1222	-
5.	Tmt. A. JemilaThangarani	6	1	3	-
6.	Dr. AmbikaBinesh	6	6	198	-
7.	Dr. S. Prakash	17	26	1240	
8.	Dr. Amit Ranjan	12	16	360	-
9.	Dr. Deepak Agarwal	10	10	240	-

(vii) TNJFU Fisheries Business School, Chennai

Sl.No.	Name of the faculty	h-index	i10 - index	Citations (Present)	Research Index score
1.	Dr. V. Nagajothi	02	Nil	07	868.50
2.	Dr. Soumyabrata Sarkar	05	05	81	203.00
3.	Mrs. Akshaya K	Nil			
4.	Dr. L. Akshaya	Nil			
5.	Dr. R.Varadharaju	Nil			
6.	Dr.P.Sivakumar	02	Nil	09	Nil
7.	Dr.Bali Sasikumar	Nil			

(viii) College of Fish Nutrition & Food Technology, Madhavaram

Sl.No.	Name of the faculty	h-index	i10 - index	Citations (Present)	Research Gate score
1.	Dr. Usha Antony	27	42	3216	-
2.	Dr. R. Brimapureeswaran	2	-	17	21.1
3.	Dr. K. Hema	3	-	19	27.6
4.	Mr. D. Lakshmikanth	-	-	-	-
5.	Dr. G. Rajalakshmi	-	-	-	-
6.	Er. V. Velukumar	4	1	39	-
7.	Er. Revathi	-	-	-	-

(ix) Directorate of Incubation and Vocational Training in Aquaculture, ECR, Muttukadu.

Sl.No.	Name of the faculty	h-index	i10 - index	Citations (Present)	Research Gate score
1.	Dr. K. Ravaneswaran	-	-	-	-

2.	Dr. E. Prabu	11	14	557	632.9
3.	Dr. K. Abarna	3	1	150	15.8
4.	Ms. K. Krishnaveni	1	-	12	2
5	Mr.A.Monishkumar	1	1	2	1

(x) Directorate of Incubation and Vocational Training in Fisheries, Ramanathapuram.

Sl.No.	Name of the faculty	h-index	i10 - index	Citations (Present)	Research Gate score
1.	Mr. M. Kalaiarasan	5	-	49	15
2.	Dr. L. Vinothkumar	4	3	42	15
3.	Dr. D. Vignesh	5	3	76	15
4.	Dr. A. Sarojini	-	-	-	-
5.	Mr. M. Javeeth	-	-	-	-

15. Honors / Awards to the faculty: National and International

(i) Dr. M.G.R. Fisheries College & Research Institute, Thalainayeru

Name of the faculty	Honors/Awards	National / International
Dr. S.Balasundari	K.Chidambaram Memorial Annual Award-2023	National
Mrs. M. Muthu Abishag	Tamil Elocution – 1st place Best speech on 'Tamil can do – Fisheries Science' by ASTA, New Delhi	National
Ms. G.Ferolin Jessina	Tamil Elocution – 1st place Best speech on 'Tamil can do – Fisheries Science' by ASTA, New Delhi	National

(ii) TNJFU, Fisheries Business School, Chennai

Name of the faculty	Honors/Awards	National / International
Dr. V. Nagajothi	Received Jury award in the Commerce Economics and Management(CEM) during July 2024	National

16. Internal resources generated

(i) Fisheries College & Research Institute, Thoothkudi

Sl.No.	Internal resources generated	Amount (Rs.)
1.	Tuition Fees	1193600.00
2.	Exam Fees	362000.00
3.	Sale of Inputs	14,790 .00

4.	Samples Testing	18,750 .00
5.	Training	1,08,000 .00
6.	Building Rent	0
7.	Sale of Tender	3,186.00
8.	Library Outcomes	0
9.	Other Fees	1,64,750.00
10.	Vehicle Hire Charges	11,950.00
11.	Lab Services (Training)	0
12.	Training & Bench Fees	0
13.	Training (Institutional charges)	0
14.	Webinar (Institutional charges)	0
	Total	18,77,026.00

(ii) Dr. M.G.R. Fisheries College & Research Institute, Ponneri

Sl.No.	Internal resources generated	Amount in (Rs.)
1.	ARTP (lease amount, sales, etc)	4,05,357
2.	ARM (rent, other sales, etc)	1,46,250
3.	ARFF (sale of fish, seed, feed, etc)	13,886
4.	PRFF (sale of fish, seed, etc)	2,850
5.	SRLAAH – SFS (disease diagnosis testing)	1,15,700
6.	SRLAAH – laboratory services	200
7.	DAEM – SFS (water quality testing)	6,750
8.	DFPT – SFS (products sale)	5,201
9.	Seafood Quality Testing – SFS (testing)	0
10.	DAQ – Testing charges	2,425
11.	Webinar/ Training fee	0
12.	Study materials	1,640
13.	Rent (Canteen, FTP, Kayalagam, C. Hall, etc)	1,21,856
14.	Technology commercialization	0
15.	Library outcome	16,292
16.	Vehicle hire charges	9,850
17.	Other fees from Students	5,279
18.	Sale of Tender	600
	Total	8,54,136

(iii) College of Fisheries Engineering, Nagapattinam

Sl.No.	Internal resources generated	Rs.
	Revenue generated Fisheries Engineering EEE self supporting fees	486625 641000
	Total	1,127,625

(iv) Institute of Fisheries Postgraduate Studies, Chennai

Sl.No.	Internal resources generated
BRFF	Rs. 3340/-

(v) Directorate of Incubation and Vocational Training in Aquaculture, ECR, Muttukadu.

Sl.No.	Internal resources generated
1.	A revenue of Rs. 1,27,854 /- has been generated in this quarter.

17. Details of departments getting assistance / recognition under SAP, COSIST (ASSIST)/DST, FIST, ICAR-NAE / CoE and other programmes: Nil

Name of the college	Assistance / recognition under SAP, COSIST (ASSIST)/DST, FIST, ICAR-NAE / CoE and other programmes	Amount	Remarks

18. Community services

(i) Fisheries College & Research Institute, Thoothkudi

Name & address of Community services	Contact No.	Details of Services	Remarks
M/s. Vitality aquaculture Pvt Ltd., SA 18, Thoothukudi co-operative Industrial Estate Ltd, Korampallam, Thoothukudi. M/s. Mr. Sanjay Chandavanshi, FC&RI, Thoothukudi	8870079476	Samples received from different companies and Scholars were analyzed for various analytical parameters – by the Department of Fish Quality Assurance and Management	Rs. 18,750/-
Implementation of HACCP in Fish Processing Plants		Training conducted from 05.09.2024 to	Rs. 1,08,000/-

		06.09.2024 based on the request sea food industries – by the Department of Fish Quality Assurance and Management	
Baba Hatchery, Sayalkudi	8754202846	Analysis of shrimp seed samples for seed quality, and WSSV & EHP - by the Department of Fish Pathology and Health Management	Analyzed and conveyed the results
P. Mari Tirunelveli Town	8122975759	Analysis of fish sample for the presence of disease agent - by the Department of Fish Pathology and Health Management	Analyzed and conveyed the results. Suggested to maintain water quality by reducing direct light
Baba Hatchery, Sayalkudi, Ramanathapuram District.	8754202846	Analysis of shrimp seed samples for seed quality & EHP - by the Department of Fish Pathology and Health Management	Analyzed and conveyed the results
Baba Hatchery, Sayalkudi, Ramanathapuram District.	8754202846	Analysis of water samples for vibrio count	Analyzed and conveyed the results
Immanuvel Aquafarm, Senthalaipattinam, Thanjavur District.	7904234337	Analysis of shrimp samples for EHP - by the Department of Fish Pathology and Health Management	Analyzed and conveyed the results
SRM Aquafarm Kottaipattinam Pudukkottai district	8883677314	Analysis of shrimp samples for EHP- by the Department of Fish Pathology and Health Management	Analyzed and conveyed the results
M/s. Maria Aquacon, Kootapuli Kanyakumari District	7639433673	Imparted training on identification of commercially important shrimps and crabs – by the Department of Fisheries Biology and Resource Management on 03.09.2024	Rs. 3,000/- was collected towards registration fee

(ii) Dr. M.G.R. Fisheries College & Research Institute, Thalainayeru

Name & address of Community services	Contact No.	Details of Services	Remarks
Akash, Chengalpat	9655188312	Advisory given for algal bloom maintenance in fish farm	-
Mrs. Sathyabama, ARV Nagar, Trichy	9486819063	Funding support for backyard Aquaponics Unit	-
K.Karthik	9944011726	Preparation of Retorted crab in brine	-
K.L.Saranya, Idukki, Kerala	8281511681	Technology transfer of Mackerel fish curry in retort	-
Richard	9715542442	Retort Technology	-
Mr. Parthiban, Thiruvarur	7094062362	Seabass Culture	-
Mr. Mathivanan Nagapattinam	8015171790	Seabass Culture	-
A. Pavithra, Thalainayeru	8667766229	Freshwater fish farming	-
M. Abarna, Nagore	7397058335	Freshwater fish farming	-
Mr. D. Balaji, Trichy	7339391234	General information on Mud crab Fattening, Nursery rearing of Seabass culture and Loach culture	-
Mr. Balu Certitude Farm Karapidagai south	9944173058	pH pen calibration	-

(iv) College of Fish Nutrition & Food Technology, Madhavaram

Name & address of Community services	Contact No.	Details of Services	Remarks
Students Volunteers of Eco club & Nizhal Foundation Team, Madhavaram	Dr. K. Hema 8754297471	Watering and maintaining of plants and trees at Madhavaram Urban Forest every week	-

19. Teachers and officers newly recruited:

(i) Fisheries College & Research Institute, Thoothkudi

Sl.No.	College	Name of the Teachers	Name of the Officers	Recruited Date
1.	FC&RI, Thoothukudi	Ms. M. Geetha Assistant Professor (contractual)	Nil	23.09.2024

(ii) Dr. M.G.R. Fisheries College & Research Institute, Ponneri

Sl. No.	College	Name of the Teachers	Name of the Officer	Recruited Date
1.	Dr. MGR FC&RI, Ponneri	Dr. A. Jacklin Wino	Assistant Professor (Contractual)	07.07.2024

(iii) Dr. M.G.R. Fisheries College & Research Institute, Thalainayeru

Sl.No.	College	Name of the Teachers	Name of the Officers	Recruited Date
1.	Dr.M.G.R. FC & RI, Thalainayeru	Mrs. S. Archana		27.07.2024

(iv) College of Fish Nutrition & Food Technology, Madhavaram

Sl.No.	College	Name of the Teachers	Name of the Officers	Recruited Date
1.	College of Fish Nutrition and Food Technology, Madhavaram Milk Colony, Chennai – 51	-	Mrs. S. Divya, Lab Technician (CL)	01.07.2024
2.	College of Fish Nutrition and Food Technology, Madhavaram Milk Colony, Chennai – 51	Er. Revathi Sanmugam, Assistant Professor (CL)	-	19.07.2024

20. Teaching – Non-teaching staff ratio

(i) Fisheries College & Research Institute, Thoothkudi

Sl.No.	College	Teaching – Non-teaching staff ratio (E.g. 10:50)		
1.	FC&RI, Thoothukudi	(Sanctioned) 43 :113 (Position) 23 : 58		
Sl. No.	Details	Teaching staff	Non-teaching staff	Total
1.	Sanctioned strength	43	113	156
2.	Working at FCRI, Thoothukudi	23	58	81
3.	Working at other station	1	17	18
4.	Contractual	7	22	29
5.	vacant	12	16	28

(ii) Dr. M.G.R. Fisheries College & Research Institute, Ponneri

Sl. No.	College	Teaching – Non-teaching staff ratio (E.g. 10:50)
1.	Dr. MGR FC&RI, Ponneri	**Actual** Teaching : Non-teaching ratio - 31 : 27 Teaching : Non-teaching (incl CLs) - 31 : 106 **In-Position** Teaching : Non-teaching ratio - 20 : 18 Teaching : Non-teaching (incl CLs) - 25 : 93

(iii) College of Fisheries Engineering, Nagapattinam

Sl.No	College	Teaching – Non-teaching staff ratio (E.g. 10:50)	Total
1.	College of Fisheries Engineering, Nagapattinam	Teaching	13
		Teaching (Contractual)	5
		Non-teaching (Dean office)	4
		Non-teaching(Contractual- Dean office)	6
		Non-teaching (Contractual- Lab Assistants and lab technicians)	11
		Ratio	18:21

(iii) Dr. M.G.R. Fisheries College & Research Institute, Thalainayeru

Sl.No.	College	Teaching – Non-teaching staff ratio (E.g. 10:50)
1.	Dr. MGR FCRI, Thalainayeru	26 : 69

(vi) Institute of Fisheries Postgraduate Studies, Chennai

Sl.No.	College	Teaching – Nonteaching staff ratio (E.g. 10:50)
16:30		

(vii) TNJFU Fisheries Business School, Chennai

Sl.No.	College	Teaching – non-teaching staff ratio (E.g. 10:50)
1.	TNJFU, FBS	6:1

(viii) College of Fish Nutrition & Food Technology, Madhavaram

Sl.No.	College	Teaching – Non-teaching staff ratio (E.g. 10:50)
1.	College of Fish Nutrition and Food Technology, MMC, Chennai	7 : 16

(ix) Directorate of Incubation and Vocational Training in Aquaculture, ECR, Muttukadu.

Sl.No.	College	Teaching – Non-teaching staff ratio (E.g. 10:50)
1.	DIVA, Muttukadu	5:13

(x) Directorate of Incubation and Vocational Training in Fisheries, Ramanathapuram.

Sl.No.	College	Teaching – Non-teaching staff ratio (Eg. 10:50)
1.	PPIFT, Ramanathapuram	5:7
2.	PPIFT, Madhavaram	6:5

21. Improvements in the library services

(i) Fisheries College & Research Institute, Thoothkudi

Sl.No.	Improvements in the library services (Quantifiable)
1.	• Digital resource expansion: E-journal subscriptions acquired through J-Gate Plus platform. • User engagement: Increased library footfall by 30%, from an average of 100 to 130 daily visitors. • Extended hours: Expanded operating hours from 8 hours to 10 hours per day. • Technology upgrade: Installed high-speed internet, doubling the previous capacity. • Plagiarism detection: Acquired licenses for Drillbit software, an advanced plagiarism detection tool used for fisheries PG and PhD research.

(ii) Dr. M.G.R. Fisheries College & Research Institute, Ponneri

Sl.No.	Improvements in the library services (Quantifiable)
1.	CERA Hits by students (in this quarter) : 308
2.	No. of students visited library (in this quarter) : 2,635 students

(iii) Dr. M.G.R. Fisheries College & Research Institute, Thalainayeru

Sl.No.	Improvements in the library services (Quantifiable)
1.	New books were purchased for the library during the quarter for the total amount of Rs. 24,844/-

(iv) TNJFU Fisheries Business School, Chennai

Sl.No.	Improvements in the library services (Quantifiable)
1.	Annual subscription of 15 international journals
2.	Annual subscription of Aquaculture Spectrum and BW Businessworld magazines

(v) College of Fish Nutrition & Food Technology, Madhavaram

Sl.No.	Improvements in the library services (Quantifiable)
1.	Instructed students to use CeRA website for study purpose
2.	Purchase of Newspaper English and Tamil to improve the general knowledge and English Language skills of students
3.	Plan to buy a new books
4.	Plan to purchase AC in library for maintaining the condition of book

(vi) Directorate of Incubation and Vocational Training in Aquaculture, ECR, Muttukadu.

Sl.No.	Improvements in the library services
1.	Few books were purchased to students in the library.
2.	Few e-Books were added in two desktops of library for students.

22. New books/journals subscribed and their value

(i) Dr. M.G.R. Fisheries College & Research Institute, Ponneri

Sl.No.	Name of New books/Journals subscribed	Quantity	Value (Rs.)
1.	Instant world fisheries	1	677.97
2.	Underwater wonders fun facts about aquatic creatures	1	508.47
3.	Crack fisheries easy: vol 5	1	508.47
4.	Crack fisheries easy: vol 1	1	423.73
5.	Fish in News 2023	1	550.85
6.	Fish Disease Card	3 sets	1,271.19

(ii) Dr. M.G.R. Fisheries College & Research Institute, Thalainayeru

Sl.No.	Name of New books/journals subscribed	Quantity	Value (Rs.)
1.	Modern fishing gear technology	1	1596.00
2.	Advances in fishing technology	1	1120.00
3.	Fishing gear and craft technologies for sustainable fishing	1	3436.00
4.	Aquatic animal diseases and management	1	2396.00
5.	Fishery technology	1	796.00
6.	Design construction and uses of trawl fishing gear	1	1596.00
7.	Textbook of fish processing technology 2nd edn	1	960.00
8.	Textbook of fishing craft technology	1	2556.00
9.	Breeding and seed production of fin fish and shell fish	1	2400.00

10.	Breeding and seed production of fin fish and shell fish	1	2400.00
11.	Textbook of limnology 4th ed	1	716.00
12.	Freshwater plankton and macrophytes of India	1	1756.00
13.	Textbook on fish toxicology	1	3116.00
14.	Journal of Marine Biological Association of India – Renewal of subscription	1	10,000

23. Courses in which students assessment of teachers is introduced and the action taken on student feedback

(i) Dr. M.G.R. Fisheries College & Research Institute, Ponneri

Sl.No.	Name of the course	Action taken
1.	FS – 110 – 119 (10 courses)	Feedback given by I B.F.Sc. students for II semester courses on 24.09.2024
2.	FS – 210 – 218 (9 courses)	Feedback given by II B.F.Sc. students for IV semester courses on 24.09.2024

(ii) Dr. M.G.R. Fisheries College & Research Institute, Thalainayeru

Sl. No.	Name of the course	Action taken
IV Semester (2022-23 Batch)		
1	FS 210 Coastal Aquaculture and Mariculture	Feedback was collected and analyzed.
2	FS 211 Genetics and Breeding	
3	FS 212 Fish Nutrition and Feed Technology	
4	FS 213 Fish and Shellfish Pathology	
5	FS 214 Physiology of Finfish and Shellfish	
6	FS 215 Fishery Oceanography	
7	FS 216 Aquatic Pollution and Coastal Zone Management	
8	FS 217 Fish Canning Technology	
9	FS-218 Fishing Gear Technology	
II Semester (2023-24 Batch)		
1	FS 110 Freshwater Aquaculture	Feedback was collected and analyzed.
2	FS 111 Aquaculture in Reservoirs	
3	FS 112 Taxonomy of Shellfish	
4	FS 113 Anatomy and Biology of Shellfish	
5	FS 114 Inland Fisheries	
6	FS 115 Limnology	
7	FS 116 Marine Biology	
8	FS 117 Food Chemistry and Fish in Nutrition	
9	FS 118 Information and Communication Technology	
10.	FS 119 Physical Education, First Aid & Yoga Practices	

Institute of Fisheries Biotechnology, chennai

Sl.No.	Name of the course	Action taken
Semester wise feedback obtained from students has been compiled. Best grading was given for the attribute 'Teachers attitude and behaviour towards the students is friendly and helpful' with 64.7% stating 'Excellent'. Students wanted some improvements in some 'Teachers communication ability' and 'inputs related to developments happening in biotechnology'.		

(v) Institute of Fisheries Postgraduate Studies, Chennai

Sl.No.	Name of the course	Action taken
All the course teachers of MFSc an Phd degree program were evaluated through the online portal for feedback. Suitable instructions are given to those course teachers whom have been rated poor, to assess the reasons and correct them. Faculty members conducted four **Mentor-Mentee meetings** to sort out the difficulties of students if any. The PG students of 2023-24 batch are instructed to upload their feedback.		

(vi) TNJFU Fisheries Business School, Chennai

Sl.No.	Name of the course	Action taken
1.	BBA and MBA (FEM)	The following are the summary of overall rating for the various courses and teachers of B.B.A and M.B.A. (FEM) degree program Excellent: 3,261 Very good: 2,619 Good: 2,217 Average:687 Poor:134

(vii) College of Fish Nutrition & Food Technology, Madhavaram

Sl.No.	Name of the course	Action taken
1.	All Subjects	• To arrange Industrial Visit for each course • Faculty to use ICT tools while teaching • To conduct quiz / test after the completion of each unit in the course • Instructed to assign short seminar/presentations to the students • To prepare Industry oriented Question Bank to enable Placement

(viii) Directorate of Incubation and Vocational Training in Aquaculture, ECR, Muttukadu.

Sl.No.	Name of the course	Action taken
1.	All courses of II, IV and VI semester of B.Voc (IA)	Action was taken for use of ICT tools like modern teaching aids, smart boards, handouts, power point presentation, web-resources, etc. which was the highlight of feedback assessment.

(ix) Directorate of Incubation and Vocational Training in Fisheries, Ramanathapuram.

PPIFT, RMD

II Semester

1.	VFT 121	Marine Meteorology	Based on the student's feedback, the flipped teaching methods have been used (2023-24)
2.	VFT 122	Aptitude and Logical Reasoning	
3.	VFT 123	Basic Vessel Operation	
4.	VFT 124	Survival at Sea	
5.	VFT 125	Deck Equipment	
6.	VFT 126	Ship Stability	
7.	VFT 127	Marine Electronics	
8.	VFT 128	Practical Navigation	

IV Semester

Sl.No.	Name of the course		Action taken
1.	VFT 221	Marine Fisheries	Based on the student's feedback, the entire syllabus was covered for all the courses under the IV semester (2022-23)
2.	VFT 222	Marine Vocabulary and Terms	
3.	VFT 223	Fisheries Economics and Statistics	
4.	VFT 224	Disaster Management	
5.	VFT 225	Navigational Watchkeeping	
6.	VFT 226	Rope works	
7.	VFT 227	Fishing Processing Machinery	
	VFT 228	Advanced Navigation	

PPIFT, Madhavaram

Sl. No	Degree Programme	Course No. and Title	Action taken
1.	B.Voc. (IFPT) 2021-22 B.Voc. (IFPT) 2021-22 B.Voc. (IFPT) 2021-22	VFP 311 Financial Accounting and Banking Practices	Based on the student's feedback, the entire syllabus was covered for all the courses under the I & III semester (2023-24 & 2022-23)
2.		VFP 312 Fisheries Entrepreneurship Development	
3.		VFP 313 Approval and	

	B.Voc. (IFPT) 2021-22	Monitoring of Fish and Fishery Products for Export	
4.	B.Voc. (IFPT) 2021-22	VFP 314 Disaster Management	
5.	B.Voc. (IFPT) 2021-22	VFP 315 Trade and Quality Standards in Fish Processing Sectors	
6.		VFP 316 Fisheries Marketing and Management	
7.		VFPP 311 Project Works – Fish Products Development	
8.		VFP 221 Professional Ethics	
9.	2022-23	VFP 222 Statistics and Data Analysis	
10.		VFP 224 Design and Maintenance of Fish Processing Plants	
11.		VFP 225 Fish Processing Machineries	
12.		VFP 226 Quality Assurance of Fish and Fishery Products	
13.	2023-24	VFP 227 Waste Disposal in Fish Processing Industry	
14.		VFP 121 Basic Concepts in Laboratory Techniques	
15.		VFP 122 Environmental Science – I	
16.		VFP 123 Basics of Microbiology	
17.		VFP 124 Traditional Fish Preservation Methods	
18.		VFP 125 Fish Products Development and Value Addition	
19.		Fish By-Products Development and Value Addition	
20.		Packaging of Fish and Fishery Products	

24. Feedback from stakeholders

(i) Dr. M.G.R. Fisheries College & Research Institute, Ponneri

Sl.No	Name of the program	Organizer	No.of Stakeholders	Feedbacks	Grady
1.	Live feeds for Ornamental Aquaculture – Benefits and Challenges	Dr. V. Ezhilarasi	17	yes	good - 11/17

(ii) Institute of Fisheries Biotechnology, chennai

Sl.No.	Name of the stakeholders	Feedbacks
1	Life Cell International Pvt Ltd	Good. IFBT graduates are comparatively better than other institution graduates in their technical skills.

(iii) TNJFU Fisheries Business School, Chennai

Sl.No.	Name of the stakeholders	Feedbacks
1.	Dr. Santhana Krishnan, CEO S.K Marine Technology Pvt Ltd., Chennai	Highly appreciated
2.	Mr. Yuvaraj, Founder of Sun shine hatcheries, Chennai	Highly appreciated
3.	Mr. Siva Ram, Managing Director of IAS Group of Hatcheries Nellore	Highly appreciated

(iv) College of Fish Nutrition & Food Technology, Madhavaram

Sl.No.	Name of the stakeholders	Feedbacks
1.	IQAC Feedback Form	For 2023 – 2024 & 2022 – 2023 batch students feedback form will be collected.

25. Unit cost of education (Cost of Personnel + Recurring / All Students)

(i) Fisheries College & Research Institute, Thoothkudi

Sl.No.	Unit cost of education per semester	Amount in (Rs.)
1.	Cost for the semester per student – FC&RI	28344

Sl. No	Particulars	Amount
1.	Cost of Personnel	34,44,121
2.	Recurring	48,60,878
	TOTAL	83,04,999
3.	No. of Students including UG, PG & Ph.D	293

The unit cost of education for the three months (July 2024 to Sept 2024) per student	28,344

(ii) College of Fisheries Engineering, Nagapattinam

S.No	Particulars	FE	EEE	Amount (Rs.)
1	Cost of Personnel	12132560	129097	12261657
2	Recurring	1193128	6219	1199347
3	Total	13325688	135316	
4	Total number of Students	163		
5	Unit cost of Education			13461004

(iii) TNJFU Fisheries Business School, Chennai

Sl.No.	Unit cost of education per semester	Amount in (Rs.)
1.	Cost of personnel – ₹ 9,95,248/- Recurring – ₹ 73,139/- Total students – 62	17,232/-

(iv) College of Fish Nutrition & Food Technology, Madhavaram

S. No.	Particulars	July 2024	August 2024	September 2024	Total Amount (Rs.)	Grand Total
Expenditure Details						
1.	Cost of Personnel (Teaching + Non Teaching + TA)	466156	473741	509734	1449631	
2.	Recurring	63710	117410	811601	992721	
3.	Non Recurring	-	-	150390	150390	
4.	Total Expenditure	529866	591151	1471725	2592742	2592742
Student Details		No. of Students			Total Students	
5.	I Semester (2023 -2024)	20				
6.	II Semester (2022 -2023)	29				
7.	III Semester (2021 -2022)	42				
8.	V Semester (2020 – 2021)	19			110	110
	Unit Cost of Education = (S. No. 4 / S. No. 8)					23570

* The College of Fish Nutrition and Food Technology, Madhavaram Milk Colony, Chennai – 51 is a Self – Finance College. Overall expenditure met out for college from the students fees only.

(v) Directorate of Incubation and Vocational Training in Aquaculture, ECR, Muttukadu.

Sl.No.	Particulars	Amount in (Rs.)
B.Voc (IA)	Cost of Personnel	314119
	Recurring cost	264286
	Total	578405
	No. of students	64
	The Unit cost of Education per quarter per student	9038
	The Unit cost of Education per month per student	3012.53

(vi) Directorate of Incubation and Vocational Training in Fisheries, Ramanathapuram.

Sl.No.	Particulars	Amount
1.	Cost of Personnel	7,39,500
2.	Recurring	2,00,000
3.	Total	9,39,500
4.	No. of students	37
5.	Sl. No. 3 /4 (3 months)	25,391

26. Computerization of administration and the process of admissions and examination results, issue of certificates

(i) Dr. M.G.R. Fisheries College & Research Institute, Ponneri

Sl.No.	List of computerizations of administrations and the process of admissions and examination results, issue of certificates made
1.	Mid – term mark statement uploaded in EMS portal by the respective course teachers
2.	Attendance of all students for the courses are marked in EMS portal regularly by the course teachers for each course
3.	Issue of e-invitation for the conduct of all events in the campus
4.	Tapals received in emails passed on to administration and faculties via email for further action
5.	All research project proposals submitted by faculties through online to Director of Research/ University for seeking approval

(ii) College of Fisheries Engineering, Nagapattinam

Sl.No.	List of computerization of administrations and the process of admissions and examination results, issue of certificates made

1.	Pay roll, Bill system, library books monitoring system are done online. Further course registration for UG and PG, hall ticket, attendance and mark statements are being

(iii) Institute of Fisheries Biotechnology, Vaniyanchavadi

Sl.No.	List of computerization of administrationsand the process of admissions and examination results, issue of certificatesmade
i	Education Management system is digitized
ii	Office Management is partially digitized

(iv) Institute of Fisheries Postgraduate Studies, Chennai

Sl.No.	List of computerization of administrationsand the process of admissions and examination results, issue of certificatesmade
I	Education Management system is digitized
II	Office Management is partially digitized

(iv) TNJFU, Fisheries Business School, Chennai

Sl.No.	List of computerization of administrationsand the process of admissions and examination results, issue of certificatesmade
1.	Office management is partially digitalized

(v) College of Fish Nutrition & Food Technology, Madhavaram

Sl.No.	List of computerization of administrations and the process of admissions and examination results, issue of certificates made
1.	Each faculty uses the EMS Portal to feed the mark statement for respective batch.
2.	Student attendance for each course is uploaded in the EMS portal every day by the respective course teacher. Glitches are repeated and sorted out.

(v) Directorate of Incubation and Vocational Training in Aquaculture, ECR, Muttukadu.

Sl.No.	List ofcomputerization of administrations and the process of admissions and examination results, issue of certificates made
1.	Internal mark statement uploaded in EMS portal.

27.Increase in the infrastructural facilities

(i) Dr. M.G.R. Fisheries College & Research Institute, Ponneri

Sl.No.	Increase in the infrastructural facilities	Amount (Rs.)
1.	Installation of CCTV Camera in Ladies Hostel Terrace To curtail frequent thefts and movement of strangers, four CCTV cameras fixed in the terrace of girls hostel on 17.09.2024	53,064

(ii) College of Fisheries Engineering, Nagapattinam

Sl.No.	Increase in the infrastructural facilities
1.	CCTV installation with repair and maintenance work for EEE building and CoFE administrative buildings

(iii) College of Fish Nutrition & Food Technology, Madhavaram

Sl.No.	Increase in the infrastructural facilities
1.	Barbed wire fencing at East side of Madhavaram campus near EB Room
2.	Septic tank for Boys Hostel – proposal sent to the University
3.	Waste water & Plumbing work in Boys Hostel – proposal sent to the University
4.	Waste water & Plumbing work in Girls Hostel – work completed
5.	Overhead tank installation to replace the existing leaking tank in Boys Hostel – to be done

(iv) Directorate of Incubation and Vocational Training in Aquaculture, ECR, Muttukadu.

Sl.No.	Increase in the infrastructural facilities
1.	• The Laboratory infrastructure in terms of laminar air flow chamber and tissue homogenizer has been strengthened. • Chemicals and Kits for evaluation of Water quality parameters and enzyme assays were procured for water quality and feed quality Labs.

28. Technology upgradation/Validation:

(i) Dr. M.G.R. Fisheries College & Research Institute, Ponneri

Sl. No.	Technology up gradation	Date
1.	Large-scale *Daphnia* culture in 10000 L tanks undertaken to upgrade the technology of live Daphnia culture in pilot scale. Technology package submitted to Direct of Research on 13.09.2024 as technology package	Nil

29. Computer and internet access and training to teachers, non-teaching staff and students

(i) Fisheries College & Research Institute, Thoothukudi

Sl.No.	Computer & Internet access	Training to Teachers	Training to Non-Teaching Staff	Training to Students
1.	Computer : 6 Nos with Internet and Wi-Fi access			

(ii) Dr. M.G.R. Fisheries College & Research Institute, Ponneri

Sl.No.	Computer & Internet access	Training to Teachers	Training to Non-Teaching Staff	Training to Students
1.	Campus is fully enabled with Wi-Fi access	-	-	-

(iii) College of Fisheries Engineering, Nagapattinam

Sl.No.	Computer & Internet access	Training to Teachers	Training to Non-Teaching Staff	Training to Students
1	40 Working Computers and 50Mbps Internet Bandwidth	Nil	Nil	Students are trained for the subject COM 101,ENG 101 and Matlab courses

(iv) Dr. M.G.R. Fisheries College & Research Institute, Thalainayeru

Sl. No.	Computer & Internet access	Training to Teachers	Training to Non-Teaching Staff	Training to Students
1.	"Excel Tools" and "How to make an effective PowerPoint Presentation"	-	-	For 2021-22 and 2023-24 batch B.F.Sc. Students.

(v) Institute of Fisheries Biotechnology, Vaniyanchavadi

Sl.No.	Computer & Internet access	Training to Teachers	Training to Non-Teaching Staff	Training to Students
Computer and Internet facilities available. All the staff and students are trained and have access to both.				

(vi) Institute of Fisheries Postgraduate Studies, Chennai

Sl.No.	Computer & Internet access	Training to Teachers	Training to Non-Teaching Staff	Training to Students
Computer and Internet facilities available. All the staff and students are trained and have access to both.				

(vii) TNJFU, Fisheries Business School, Chennai

Sl.No.	Computer & Internet access	Training to Teachers	Training to Non-Teaching Staff	Training to Students
1.	Yes	Yes	Yes	Yes

(viii) College of Fish Nutrition & Food Technology, Madhavaram

Sl.No.	Computer & Internet access	Training to Teachers	Training to Non-Teaching Staff	Training to Students
1.	41 Computers with Internet access	-	-	MATLAB Training

30. Financial aid to students

(i) Fisheries College & Research Institute, Thoothkudi

Sl.No.	Name of the financial aid	Amount in (Rs.)	Year
1.	Pudhumai Penn Scholarship (Rs.1,000/- per month x 13 students x 3 months)	39,000	Jul'24 – Sep'24
2.	TNJFU Merit Scholarship M.F.Sc. students Rs.4000/- per month & Ph.D. Students Rs.5000/- per month)	8,12,601	Jul'24 – Sep'24
3.	NTS (UG students Rs.3000/- per month & PG students per month Rs. 5,000/-	0	Jul'24 – Sep'24
4.	Student Ready Programme (B.F.Sc. 2019-2020 batch)	0	Jul'24 – Sep'24
5.	7.5% TN Govt. Quota	0	Jul'24 – Sep'24
6.	TN SC&ST Scholarship for one full time Ph.D. Scholar (4 students x Rs. 1,00,000/- Per year)	0	Jul'24 – Sep'24
7.	Fishermen Quota 5 %	0	Jul'24 – Sep'24

(ii) Dr. M.G.R. Fisheries College & Research Institute, Ponneri

Sl.No	Name of the financial aid	Amount in (Rs.)	Year
1.	Prime Minister Merit Fellowship for pursuing Ph.D	1	2023-24
2.	Pudumei Pen Scheme	2	2023-24

(iii) College of Fisheries Engineering, Nagapattinam

Sl.No.	Name of the financial aid	Amount in (Rs.)	Year
1	State Tour (EEE)	76952	2024

(iv) Dr. M.G.R. Fisheries College & Research Institute, Thalainayeru

7 different scholarships are given to students with funding support from the Government of Tamil Nadu

Sl. No.	Name of the financial aid	Amount in (Rs.)	Year
1.	Fishermen ward scholarship	-	-

2.	7.5% Government school students	-	-
3.	Pudhumai pen scheme (Rs. 1000/month)	39,000 (13 Students)	2020-21, 2021-22, 2022-23 & 2023-24
4.	Tamil Pudhalvan Scheme (Rs. 1000/month)	6,000 (6 Students)	2020-21, 2021-22, 2022-23 & 2023-24
5.	Scholarship to BC and MBC students	-	-
6.	Scholarship to SC and ST students	-	-
7.	Pattukottai Azhagiri Endowment	-	-

(v) Institute of Fisheries Biotechnology, chennai

Sl.No.	Name of the financial aid	Amount in (Rs.)	Year
1	Pudhumai Pen Scheme of Government of Tamil Nadu (C.MariaNilani BTV 20100)	1000/- per month	2023
2	7.5% Govt. School Quota (S Sowmiya BTV 21139; B Preethi BTV 22169 and P Sathyaseelan BTV 22172)	Semester Fees exempted upto Rs.50,000 per year	2023

(vi) TNJFU, Fisheries Business School, Chennai

Sl.No.	Name of the financial aid	Amount in (Rs.)	Year
1.	Government banks providing education loan, which are available to eligible students	-	24-25

(vii) College of Fish Nutrition & Food Technology, Madhavaram

Sl.No.	Name of the financial aid	Amount in (Rs.)	Year
1.	SC / ST Scholarship	60,000/- per year (Per student) – 17 students	2024 – 2025
2.	Minority Scholarship	21,000/- per year (Per student) – 2 students	2024 – 2025
3.	Puthumai Penn Scheme	1,000/- per month (Per student) – 7 students	2024 – 2025
4.	Tamil Puthalvan Scheme	1,000/- per month (Per student) - 4 students	2024 – 2025

(vii) Directorate of Incubation and Vocational Training in Aquaculture, ECR, Muttukadu.

Sl.No.	Name of the financial aid	Amount in (Rs.)	Year
1.	Most of the students are getting semester wise State government fellowships	Average of 7000/- per student	2023-2024

(viii) Directorate of Incubation and Vocational Training in Fisheries, Ramanathapuram.

Sl.No.	Name of the financial aid	Amount in (Rs.)	Year
PPIFT, RMD			
1.	Post matric scholarship	Rs.60,000/-	2023-24
2.	8 female students are receiving scholarships of Rs.1000/month under the Pudumaipenn scheme	Rs.1,000/- for each student	2024
3.	4 boys students are receiving scholarships of Rs.1000/month under the Tamil Pudhalvan scheme	Rs.1,000/- for each student	
4.	Four girls' students from PPIFT (IFPT) are receiving scholarships of Rs. 1000/month under Pudumaipenn scheme B.Voc. I, II- and III-year students of the 2023-24, 2022-23 & 2021-22 batches are receiving BC, MBC, and SC scholarships from the Government of Tamil Nadu	Rs.1,000/- for each student	

31. Activities and support from the Alumni Association

(i) Directorate of Incubation and Vocational Training in Aquaculture, ECR, Muttukadu.

College	Batch	Activities	Support from Alumni Association
DIVA PPIAT	2020-2021	Alumni register is being updated regularly.	-

(ii) College of Fish Nutrition & Food Technology, Madhavaram

College	Batch	Activities	Support from Alumni Association
College of Fish Nutrition and Food Technology, Madhavaram Milk Colony, Chennai – 51	2018 & 2019 Batch	Plan to register Alumni Association with approval of the university. The Possibility of using a digital platform for CFNFT Alumni Association is being explored	-

32. Health services

(i) Fisheries College & Research Institute, Thoothkudi

Sl.No.	Name of the Health services
1.	• Dr. Banu Devanesam, MBBS, DGO, Thoothukudi has been engaged as part-time Medical Officer to look after the medical care of students and staff. • The Doctor visits the college twice a week i.e. on Tuesday and Thursday

(ii) Dr. M.G.R. Fisheries College & Research Institute, Ponneri

<table>
<tr><th>Sl.No.</th><th>Name of the Health services</th></tr>
<tr><td>1.</td><td>
<table>
<tr><th>Sl.No.</th><th>Part Time Doctor visit No.of days</th><th>No.of students availed service</th><th>No. of days faculties availed service</th></tr>
<tr><td>1.</td><td>18</td><td>4</td><td>6</td></tr>
</table>
</td></tr>
<tr><td>2.</td><td>Health Awareness Program
Health Club along with Students Association organized a mental health awareness program on 29.07.2024 for students and staff. Ms. Rajasree, Counselling psychology of Dr. MGR Education and Research Institute, Chennai gave a speech on “Strategies to improve the mental health of young adults” which provided invaluable insights on the mental health challenges faced by young adults. A total of 135 students and faculty members actively participated in the program.</td></tr>
</table>

(iii) College of Fisheries Engineering, Nagapattinam

Sl.No.	Name of the Health services
1.	Regular counseling is being given to the needy students by the medical doctor appointed on hourly basis apart from health issues.

(v) Dr. M.G.R. Fisheries College & Research Institute, Thalainayeru

Sl. No.	Name of the Health services
1.	In commemoration of Poshaan Abhiyan Week and Poshaan Maa, Dr. MGR FC&RI, Thalainayeru conducted awareness program in association with Integrated Child Development Services (ICDS), Thalainayeru on 25.9.2024.

(vi) Institute of Fisheries Postgraduate Studies, Chennai

Sl.No.	Name of the Health services
1.	Student's Personal accident health insurance policy has been taken with M/s Oriental Insurance Co, Ltd.,

33. Performance in the sports activities

(i) Fisheries College & Research Institute, Thoothukudi

S. No	Event name	Games	Student Name	Position Acquired	Date
1.	District level CM Trophy Competition-2024-25	Beach volleyball	1.Vasika 2.Nanditavarshini	1st place	13.09.2024 to 18.09.2024
		Backstroke and freestyle swimming (200 meters)	Joel John Paul	2nd place	
		Silambam	V. Subash	1st place	
		Table Tennis doubles (Men)	1.S.K.Meivendhan 2.V.Omeshraj	1st place	
		Table Tennis singles (Men)	1. S.K.Meivendhan	2nd place	
		Table Tennis singles (Men)	V. Omeshraj	3rd place	
		Carrom singles (Men)	Vishnu	3rd place	
2.	State Level Kayal Vizha Tournament Conducted by Dr. MGR FCRI, Thalainayeru	Volleyball (Women)	Vasika Shabee Prisha Manisha Shanmugapriya Sethusri Shanmuga priya Nandita vaarshini Nandita vaarshini Tinu	1st place	01.08.2024 to 02.08.2024
		Table Tennis (Men)	Gobinath	2nd place	
		Table Tennis (women)	Mathumitha	1st place	
		Chess (Men)	Shubham Rao	2nd place	
		Chess	Mathumitha	1st place	

		(Women)			
3.	State Level Pontrifest'24 Tournament conducted by Dr. MGR FCRI, Ponneri	Table Tennis (women)	Mathumitha	1st place	22.08.2024 to 23.08.2024
		Chess (Women)	Mathumitha	2nd place	
		Throw ball (Women)	Vasika Shabee Prisha Mouliga Uma Maheswari Pon Harsha Nandita vaarshini Ranjitha	1st place	
		Badminton (Women)	Pon Harsha	1st place	

(ii) College of Fisheries Engineering, Nagapattinam

Sl.No.	Student Name	Batch	Performance in sports activities	Date
1	R. PravarthikaCM Trophy Tournament at Nagapattinam district level	III B.Tech Fisheries Engineering	II Place in High Jump	September 2024
2	Ms.Santhiya CM Trophy Tournament at Nagapattinam district level	II B.Tech Energy and Environmental Engineering	3rd place in 400 m running	September 2024
3	Ms.Vanapriya CM Trophy Tournament at Nagapattinam district level	II B.Tech Fisheries Engineering	3rd place in Silambam	September 2024

(iii) Dr. M.G.R. Fisheries College & Research Institute, Thalainayeru

Sl. No.	College	Performance in sports activities	Date
1.	Dr. MGR. FC & RI, Thalainayeru	Kayal Vizha 2024, an intercollegiate event conducted at Dr. MGR. FC & RI, Thalainayeru the boys team won the Winner trophy in Volley ball match and the runner trophy in Football match in Rowdra Yudha sports events.	01.08.2024

2.	Dr. MGR. FC & RI, Thalainayeru	In the event of Pontrifest 2024, boys' team won the runner trophy in Volley ball and Basketball matches conducted at Dr. MGR. Fc & RI, Ponneri	22.08.2024
3.	Dr. MGR. FC & RI, Thalainayeru	Mr. S. Karthik Raja (2021-22 batch) participated and secured 2nd place in the Senior State Tennikoit Championship organized by the Tamil Nadu Tennikoit Association held at Velammal Engineering College, Red Hills, Chennai and selected for the National level competition.	30.08.2024 to 01.09.2024
4.	Dr. MGR. FC & RI, Thalainayeru	District Sports & Youth Welfare Department, Nagapattinam, conducted the CM trophy, a District-level sports competition. 40 students from our college participated in the event. Ms. D. Agalaya (2022-23 batch) 2nd year student secured first place in the Silambam, Ms. J. R. Amritha (2021-22) 3rd year student secured second place in the discus throw and Mr. L. Kowsigan 3rd year student secured third place in the 3000 meter running race.	23.09.2024

34. Student achievements and awards

(i) Fisheries College & Research Institute, Thoothukudi

Sl.No.	Student Name	Batch	Achievements / Awards	Date
1.	S. Sundhar	Ph. D 2020-21	Prof. I. Karunasagar Gold Medal for the Best Outgoing Ph.D. Student in Fish Quality Assurance and Management	18.09.2024
2.	T. Hariharan	M.F.Sc 2021-22 Batch	Prof. M.C. Nandeesha Gold Medal for the Best Outgoing M.F.Sc. Student in Fish Quality Assurance and Management	18.09.2024
3.	S. Shamini	M.F.Sc 2021-22 Batch	Chief Guest Dr.V.Rajagopalan Award for the best M.F.Sc., student in Fisheries Resource Management.	18.09.2024

4.	S. Parkavi	M.F.Sc. 2022-23	Best Poster presentation in Aquatic Environment Management	13.07.2024
5.	S. Subhashree Devasena	Ph. D 2020-21	TNJFU Gold Medal for securing University first rank in Ph.D.	18.09.2024
6.	Rishikesh Venkatrao Kadam	M.F.Sc. 2021-22	Chief Guest Dr.S.L.Metha Award for the best M.F.Sc., student in Fisheries Environment	18.09.2024
7.	Swati Kachhap	M.F.Sc. 2022-23	Indian Overseas Bank Gold Medal for the Best Outgoing M.F.Sc. Student in Fisheries Economics	18.09.2024
8.	Swati Kachhap	M.F.Sc. 2022-23	Thirumathi Palaniammal Velappan Award for Best Student in M.F.Sc.(Fisheries Economics & Extension)	18.09.2024
9.	D. Sundareswari	M.F.Sc. 2022-23	M/s. R.R.Thulasi Builders India (P) Ltd Award for the Best M.F.Sc.(Fishing Technology and Fisheries Engineering)	18.09.2024
10.	Rishikesh Venkatrao Kadam	M.F.Sc. 2022-23	Dr.M.Devaraj Gold Medal for the Best M.F.Sc. Thesis in Aquatic Environment Management	18.09.2024
11.	M. Ramya Veena	B.F.Sc. 2019-20 Batch	TNJFU Gold Medal for securing University first rank in B.F.Sc.,	18.09.2024
12.	M. Ramya Veena	B.F.Sc. 2019-20 Batch	Prof. G. Rangaswamy's Prize for the best B.F.Sc., student.	18.09.2024
13.	M. Ramya Veena	B.F.Sc. 2019-20 Batch	TNJFU Alumini Association Medal for the best B.F.Sc., student.	18.09.2024
14.	M. Ramya Veena	B.F.Sc. 2019-20 Batch	Mrs. T. Gopalan Nair Memorial Medal for the best B.F.Sc., student.	18.09.2024
15.	M. Ramya Veena	B.F.Sc. 2019-20 Batch	Puratchi Thalaivi Dr. J. Jayalalithaa Endowment Award for the best lady student in B.F.Sc.	18.09.2024
16.	M. Ramya Veena	B.F.Sc. 2019-20 Batch	Parasakthi Vaithilingam Excellence Award for the best outgoing B.F.Sc., student.	18.09.2024

17.	A. Afrin Banu	B.F.Sc. 2019-20 Batch	Marimuthu Vijayalakshmi Endowment for the Best outgoing student in B.F.Sc., programme	18.09.2024
18.	M. Ramya Veena	B.F.Sc. 2019-20 Batch	Dr. T. M. Samocha Gold Medal for the Best Outgoing Girl Student in B.F.Sc.	18.09.2024
19.	M. Ramya Veena	B.F.Sc. 2019-20 Batch	POSEIDON BIOTECH Award for top scoring B.F.Sc. Student	18.09.2024
20.	M. Ramya Veena	B.F.Sc. 2019-20 Batch	Sri V.V.D. Ravindran Gold Medal for the Best Outgoing B.F.Sc. Student.	18.09.2024
21.	M. Ramya Veena	B.F.Sc. 2019-20 Batch	R. Swaminathan Award for the Best B.F.Sc. Student	18.09.2024
22.	M. Ramya Veena	B.F.Sc. 2019-20 Batch	Usha Thandav Rajagopalsamy Gold Medal for the Best Outgoing B.F.Sc. Student in the courses offered in Aquaculture discipline	18.09.2024
23.	M. Ramya Veena	B.F.Sc. 2019-20 Batch	CPF Academic Excellence Award (Gold Medal) for the Best B.F.Sc. Student	18.09.2024

(ii) College of Fisheries Engineering, Nagapattinam

Sl.No.	Student Name	Batch	Achievements / Awards	Date
1	R. Pravarthika 8th National Youth Convention on "New perspectives for sustainable agriculture and Livelihood security" in Banaras Hindu University(BHU) , Varanasi, Uttar pradesh.	III B.Tech Fisheries Engineering	II Place in Oral Presentation	August 2024

(iii) Dr. M.G.R. Fisheries College & Research Institute, Thalainayeru

Sl. No.	Students Name	Batch	Achievement/ Awards	Date
1.	S. Sivasangari	2022 - 2023	Solo classical – I place in COFIESTA 2024	09.08.2024
2.	A. Mohammed Meeran	2021 - 2022	Duet singing - I place in COFIESTA 2024	
	A. Selva Abila	2020 - 2021		
3.	R. Vimala	2022 - 2023	Rangoli - II place in COFIESTA 2024	
	K. Parameshwari			
4.	L. Kowsigan	2021 - 2022	Paper dressing - II place in COFIESTA 2024	
	J. Jeleena			
	U. Nibisha Mol			
5.	A. Nithisha Mol	2022 - 2023	Cooking without fire in COFIESTA 2024	
	C. Karthiga			
6.	D. Laxmi Priya	2020 - 2021	Pot Painting – II place in COFIESTA 2024	
7.	R. Mokesh	2021 - 2022	Face painting – III place in COFIESTA 2024	
	M. Muralidharan			
8.	M.J. Ajay	2022 - 2023	Short film – II place in COFIESTA 2024	
9.	S.M. Malavika	2022 - 2023	Solo classical – I place in PONTRIFEST 2024	22.08.2024 & 23.08.2024
10.	L. Kowigan	2021 - 2022	Adzap – II place in PONTRIFEST 2024	
	R. Nithshvar	2023 - 2024		
	R. Manojkumar			
	M. Sarathi			
11.	U. Mariselvam	2021 - 2022	One and play – II place in PONTRIFEST 2024	
12.	V. Swetha	2020 - 2021	Dance recreation - III place in PONTRIFEST 2024	22.08.2024 & 23.08.2024
	S. Naveena			
13.	V. Swetha	2020 - 2021	Group dance – II place in PONTRIFEST 2024	
	S. Naveena			
	A. Selva Abila			
	D. Laxmi Priya			
	F. Sharine Athrina			
	D. Thofeeya Roy			
14.	A. Selva Abila	2020 - 2021	Themed Medley duet – II place in PONTRIFEST 2024	
	M. Mohammed Meeran	2021 - 2022		
15.	E. Kavinesh	2021 - 2022	Fruit carving – I place in PONTRIFEST 2024	
	B. Indhumathi	2020 - 2021		

16.	B. Indhumathi	2020 - 2021	Art from aquatic waste – II place in PONTRIFEST 2024	
17.	D. Laxmi Priya	2020 - 2021	College Art – I place in PONTRIFEST 2024	
18.	D.S. Sachin	2022 - 2023	Photography – III place in PONTRIFEST 2024	
19.	A. Thasnevis Astor	2022 - 2023	Short film – II place in PONTRIFEST 2024	

(iv) Institute of Fisheries Biotechnology, Vaniyanchavadi

Sl.No.	Student Name	Batch	Achievements / Awards	Date
1	Joseph Rajesh	III year B.Tech. Biotechnology(2021-2022 batch)	1st Prize in Oral Presentation at 8th National Youth Convention held at Institute of Agricultural Sciences, Banaras Hindu University, Varanasi, UP	22.08.2024&23.08.2024

(v) College of Fish Nutrition & Food Technology, Madhavaram

Sl.No.	Student Name	Batch	Achievements / Awards	Date
1.	J.M. Pugalarasan	2021 Batch – III year	8th National Youth Convention on 'New Perspectives on Sustainable Agriculture and Livelihood Security' was conducted by Institute of Agricultural Sciences, Banaras Hindu University, Varanasi from 22nd to 23rd August, 2024. He secured I prize in poster presentation on 'Utilization of Rural Fruits and Vegetable Waste as a Substrate for the Sustainable Livestock (Poultry) Production'	22.08.2024 to 23.08.2024
2.	Mr. Sarveshwaran and Ms. Abitha	2021 Batch – III year	A National Conference on Blue Revolution for Sustainable Fisheries	24.09.2024 to 27.09.2024

			Development was organised by Karnataka Science and Technology Department from 24th to 27th September, 2024, at Begaluru. They won second place with a cash prize of Rs.10,000	
3.	Ms. Cherly Bwa and Ms. Lavanya	2021 Batch – III year	A National Conference on Blue Revolution for Sustainable Fisheries Development was organised by Karnataka Science and Technology Department from 24th to 27th September, 2024, at Begaluru. They won third place with a cash prize of Rs.7,500.	24.09.2024 to 27.09.2024

(v) Directorate of Incubation and Vocational Training in Fisheries, Ramanathapuram.

Sl.No.	Student Name	Batch	Achievements and Awards	Date
1. 2.	N. Ramagopal K. Selvaganesh, B. Velmurugan, Vignesh	2023-24	The student group of I B.Voc. (IFT) (2023-24 batch) won the first prize category inclusive of 20 student groups in the state-level competition conducted for student innovation namely HACKATHON 2023 by EDII, GoTN.	04.10.2024

35. Activities of the Guidance and Counselling unit

(i) Fisheries College & Research Institute, Thoothkudi

Sl.No.	Activities of the Guidance and Counselling unit
1.	Mock examination was conducted for ICAR – JRF 2024 (2020-21 batch)
2.	Parents & Teachers' meeting was conducted for 2021-22 batch
3.	Mentor-mentee was conducted regularly for 2021-22, 2022-23 batch and 2023-24 batch

(ii) Dr. M.G.R. Fisheries College & Research Institute, Ponneri

<table>
<tr><th>Sl.No.</th><th>Activities of the Guidance and Counselling unit</th></tr>
<tr><td>1.</td><td>Investment Awareness Program
SPCG cell organized an awareness program to educate and inform the future generation of investors about the importance of financial literacy, smart investment practice, and protecting their investments.
Thiru. S. N. Jeyabalan, SMARTs Securities Market Trainer, SEBI-NSE representing the Central Depository Service Limited (CDSL), delivered a talk on 'Financial Planning' for UG, PG students & Ph.D. scholars on24.07.2024.</td></tr>
<tr><td>2.</td><td>Drug Free Tamil Nadu
SPCG cell organized awareness programon "Drug Free Tamil Nadu" on 12.08.2024 with four major activities such as mass anti-drug pledge, speech, skit, and screening of a video. Dr. L. Surulivel, Assistant Professor gave a short talk on impacts of drugs. The students staged a skit emphasizing the ill-effects of drugs in college campus.</td></tr>
<tr><td>3.</td><td>Guest lecture
SPCG organized a guest lecture on 02.07.2024 from 10.00 am to 11.00 am for the benefit of students on the role of NBFGR.
Dr. A. Kathirvel Pandian, Principal Scientist, NBFGR, Kochi delivered a lecture on the topic "Transforming efforts of NBFGR in Conservation & Management of Fish Genetic Resources"</td></tr>
<tr><td>4.</td><td>ICAR mock test:
8 Nos. of ICAR Mock test were conducted through virtual mode for the III B.F.Sc., students of 2021-22 Batch for the following Departments
<table>
<tr><th>Sl.No.</th><th>Name of the Department</th><th>Number of time mock exam conducted</th></tr>
<tr><td>1.</td><td>DAQ</td><td>1</td></tr>
<tr><td>2.</td><td>FRM</td><td>1</td></tr>
<tr><td>3.</td><td>AEM</td><td>1</td></tr>
<tr><td>4.</td><td>AAHM</td><td>1</td></tr>
<tr><td>5.</td><td>DFT</td><td>2</td></tr>
<tr><td>6.</td><td>DFEFT</td><td>1</td></tr>
<tr><td>7.</td><td>DEES</td><td>1</td></tr>
</table></td></tr>
</table>

(iii) College of Fisheries Engineering, Nagapattinam

Sl.No.	Activities of the Guidance and Counselling unit
1.	10 students were allotted to each staff for counseling Exclusive counseling hour is allotted in the time table Dr. Sheik Allavudin, MBBS is also providing counseling to the students as per the need

(iv) Dr. M.G.R. Fisheries College & Research Institute, Thalainayeru

Sl. No.	Activities of the Guidance and Counselling unit
1.	Effective mentor-mentee meetings are held regularly to provide guidance, support, and address the student's needs and concerns.
2.	Batch coordinators and counselors hold regular ward counseling sessions to proactively address students' educational and curricular needs.

(v) Institute of Fisheries Biotechnology, Vaniyanchavadi

Sl.No.	Activities of the Guidance and Counselling unit
1	One Mentor-Mentee meeting was held during the quarter under report

(vi) Institute of Fisheries Postgraduate Studies, Chennai

Sl.No.	Activities of the Guidance and Counselling unit
1	Periodical Mentor-Mentee meeting is being conducted to review the progress of the students in their research work.

(vii) College of Fish Nutrition & Food Technology, Madhavaram

Sl.No.	Activities of the Guidance and Counselling unit
1.	The main aim of this unit, • To give self – confidence for the students. • Providing guidance to the students in making the right choices in their higher studies. • It provides necessary knowledge and skills, builds hope and confidence. • To improve mental wellbeing and help students to deal with issues in their lives
2.	Conduct personality development class for students.
3.	Debates to be conducted to improve the speaking skills and to empower students to speak without any fear.
4.	Counselling session is being conducted once a month by the Batch Coordinator and Batch Counsellor.

(viii) Directorate of Incubation and Vocational Training in Aquaculture, ECR, Muttukadu.

Sl.No.	Activities of the Guidance and Counselling unit
1.	Regular class committee meetings with students are being conducted for guidance and counselling.
2.	Personality development lecture from guest faculty was organized.

36. Placement services provided to students

(i) Fisheries College & Research Institute, Thoothukudi

Sl. No.	College	No. of interviews conducted	Organization Govt./Pvt.	Batch	Status
1.	FCRI, Thoothukudi	Two	Dhan Foundation,	2020 – 21 and	Selected fifteen

			Madurai Interview held on 04.10.2024	2022 - 23	candidates and waitlisted three students
2.			Sheng Long Biotech (India) Pvt. Ltd, Chennai Interview held on 07.10.2024		Shortlisted thirteen candidates

(ii) College of Fisheries Engineering, Nagapattinam

Sl.No.	College	No. of interviews conducted	Organization Govt./Pvt.	Batch	Status
1	CoFE	1	➢ Elcompo Electronics Pvt Ltd., Chennai - Rs.18,000 (including food) ➢ Schneider Electricals Pvt Ltd., Chennai - Rs.21,000 (including food) ➢ Sri Venkateswara Hatcheries, Hosur - Rs.22,000 (+ free accommodation & food)	2021-22 Batch FE - 24 students & EEE - 9 Students	

(iii) TNJFU, Fisheries Business School, Chennai

Sl.No.	College	No. of interviews conducted	Organization Govt./Pvt.	Batch	Status
1.	TNJFU, FBS	Two (One off campus and other on campus)	Pvt.	MBA 21-22 &22-23	4 students were selected at final round interview by CP and Avanti feeds

(iv) Directorate of Incubation and Vocational Training in Aquaculture, ECR, Muttukadu.

Sl.No.	College	Placement Service provided	Year
1.	PPIAT (B.Voc IA) Batch 2020-2021	Campus placement result yet to be released.	2024.

37. Development programme for non-teaching staffs

(i) Dr. M.G.R. Fisheries College & Research Institute, Thalainayeru

Sl. No.	College	Name of the programme	Date	Venue
1.	Dr. MGR. FC & RI, Thalainayeru	Training on "Office Procedures" – Mr. P.D.Mathivanan, Personal Assistant (Accts) to Commissioner of Fisheries (Retd.) served as resource person	26.09.2024 and 27.09.2024	Dr. MGR. FC & RI, Thalainayeru

38. Good practices of the institution

(i) Dr. M.G.R. Fisheries College & Research Institute, Ponneri

Sl.No.	Good Practices
1.	Special Programs <u>Kargil Vijay Diwas</u> Kargil Vijay Diwas day celebrated on 26.07.2024, with four events viz. story narration, documentary screening, patriotic dance and drawing competition for the students. Students actively participated and narrated the story of Kargil war
2.	Partition Horrors Remembrance Day "Partition Horrors Remembrance Day" observed 14.08.2024. The impacts of Partition Horrors elucidated through a short video and 52 digital exhibits. A brief description on Partition Horrors Remembrance Day read out in both English and Tamil by the students.
3.	Special Days National Space Day Students' association celebrated the National Space Day event on 16.08.2024 with two main competitions: a space-themed quiz and a slogan writing contest.
4.	"78th Independence Day" Students' Association celebrated the "78th Independence Day" with two major activities: Har Ghar Trianga (□□□□□□□□□□□□□ □□□□□□□□□□□□□) campaign organized near Ponneri Bus Stand 14.08.2024 to create awareness amongst general public to hoist the tricolor flag in everyone's home. A debate played by

	the students on the topic of "Freedom is being given by the parents to their children: Beneficial or Harmful"
5.	Pontrifest'2024 The 7thInter-collegiate event "PONTRIFEST'24" organized in the campus, comprised of a sports tournament-KURUKSHETRA'24 on 22.08.2024, Quiz competition-"EUREKA" and cultural competition on 23.08.2024. Mr. Waghe Sanket Balwant, IAS declared open the Kurukshetra event. In the sports meet, 9 colleges participated. Madras Veterinary College, Vepery won the Overall winner trophy. Mr. A. Kumaresan served as the Chief Guest. A total of 6 teams participated in the Quiz competition. FC & RI, Thoothukudi won the overall winner trophy. A total of 7 colleges participated in the cultural events. FC & RI, Thoothukudi won the overall winner trophy. Dr. V. Parimalam, Chairman of Ponneri Municipality honoured the function as the Chief Guest by delivering a talk and distributing the prizes.
6.	Anti-Ragging week An "Anti-Ragging week" observed between 12th to 18th August'2024. The students participated in Slogan writing, Logo designing, Essay writing (Tamil/English) and Poster making competitions. A selfie spot "Youth Against Ragging" made in the Seminar Hall and students actively took photograph. The weeklong celebration concluded with a valedictory function on 16.08.2024 graced by the Chief Guest, Mr. Thirumalai, Advocate of Senior Council, Ex. Public Prosecutor, Ponneri and a special guest, Mr. Sridhar Babu.
7.	ITK Documentation: "Utilization of Seaurchin" was documented by a Ph.D. student. Based on that, a research paper entitled "Indigenous Knowledge for Sustainable Sea Urchin Management in Tamil Nadu" prepared and submitted to the Journal of "Rural Studies".

(iii) Dr. M.G.R. Fisheries College & Research Institute, Thalainayeru

Sl. No.	Good practices of the institution
	Project proposals submitted:

Project personnel	Title of the project	Budget	Funding agency	Date of submission
Project coordinator : Dr. S. Balasundari Principle Investigator: Dr. Mahadevi Co – Principle Investigators: Mrs. Muthu Abishag Mr. P.Yuvarajan Mr. Mohammad Faizullah Mrs. I.Vidhya	"Empowering Rural Farmers Through Seed Production and Rearing Technology of Striped Murrel in the Cauvery Delta Region"	Rs. 197 lakhs	Pradhan Mantri Matsya Sampada Yojana (PMMSY)	05.07.2024

Research Papers Published:

Name of the authors	Title	Journal Name, volume, page	NAAS rating/ Scopus index
P. Yuvarajan P. Chidambaram B. Ahilan A. Kathirvelpandian E. Suresh Mahadevi R. Somu Sunder Lingam H. Manimaran	Effect of Dietary Protein Levels on Growth Performance, Whole-Body Composition and Digestive Enzyme Activity of Bronze Featherback, *Notopterus notopterus*	Published online Pakistan J. Zool., pp 1-6, 2024.	NAAS-6.6

Research Papers Submitted:

Sl. No.	Name of the authors	Title	Journal Name, volume, page	NAAS rating/ Scopus index
1.	Abisha Juliet Mary, Petchimuthu M, Ferolin Jessina G	Isolation, Identification and Antibiogram of *Staphylococcus aureus* and *Escherichia coli* isolates from Shrimp Farms.	Indian Journal of Fisheries	NAAS-6.50
2.	Abisha Juliet Mary, Petchimuthu M, Deepika S, Ferolin Jessina G, Balasundari S.	Molecular characterization of AMR Biofilm-Producing *V. parahemolyticus* isolates from Vedaranyam canal	Regional studies in Marine Science	NAAS-8.10
3.	M. Muthu Abishag, M Mohammed Faizullah, S. Balasundari	Impact of low-temperature storage on the growth characteristics of marine diatom, *Navicula* sp.	Journal of coastal Research	6.00
4.	Mr Thayala Arjun G, Umamageswari T; Senthil Kumar V; Kalalyarasan M; Shyam Salim	Socio-Economic Dynamics of Maritime Labours in Ramanathapuram and Thoothukudi	Marine Policy	6.00

		Districts: A Comprehensive Analysis		
5.	S. Archana, N. Neethiselvan, D. Sundareswari and V. Durai	Analysis on Deep sea Pelagic Longlines for Shark fishing (PLS) from Thengapattinam Fishing harbour (8.2393°N & 77.1730°E), Kanyakumari district, Southwest coast of India	Regional Studies in Marine Sciences	8.10
6.	S. Archana, M. Mohammed Faizullah and V. Durai	Review article on Deep sea fishing in Tamil Nadu-opportunities, challenges and sustainable practices	Journal of Coastal Research	6.00
7.	Venkatesan Alamelu, Shanmugam Sudarshan , Subbaiyah Balasundari, Pandiyan Praveenkumar, Sekar Vimaladevi.	Assessment of Pathogenic *Vibrio Vulnificus* Risk in Finfish And Shellfish Landed in Different Landing Centres of South East Coast of Tamil Nadu, India	Journal of Coastal Research	6.00

Details of paper presented in Seminars/Webinars/Conferences:

Name of faculty	Oral/ Poster Presentation (Online/ Offline)	Title	International/ National	Name of the Conference, venue and date
Dr. Mahadevi	Oral Poster	"Induced Breeding of Striped Murrel *(Channa striata):* An Adaptation Strategy to Climate	International	International Conference on "Impact Of Climate Change on Biodiversity - A Global Perspective"

			Change"		
	S. Dawood Ibrahim, Ishani S Gowda, V.Senthilkumar	Poster	Technological Interventions in Fisheries: Enhancing Productivity in Aquaculture and Wild Capture Systems	National	8th AIASA National Youth Convention 2024 at Institute of Agriculture (BHU), Varanasi during 22-23, August 2024

(iv) Institute of Fisheries Biotechnology, Chennai

Sl.No.	Good practices of the institution
	i. B.Tech. Biotechnology degree programme is accredited by AICTE ii. 'Prospicience Groups' has been initiated for encouraging group discussions among students iii. Brainstorming sessions on subject matters for the final year students through 'Biotechcellence Club' iv. Mandatory project work for the final year Undergraduate students v. Compulsory internships vi. Encouraging undergraduate students to be associated with faculty for research and lab activities vii. Introduction of dress code to undergraduate students on selected days viii. Development and adoption of SOP for all laboratories ix. Frequent anti-ragging awareness programmes for a ragging free campus x. Grievances Redressal system and Anti-drug awareness activities for the benefit of the students xi. MOOC courses for undergraduate students xii. Conduct of Biotechnology subject matter group meeting to facilitate student and faculty research

(v) Institute of Fisheries Postgraduate Studies, Chennai

Sl.No.	Good practices of the institution
	i. Mandatory project work for the postgraduate student's during course. ii. Encouraging postgraduate students to be associated with faculty for research and lab activities. iii. Identification of mentor from outside institution is encouraged.

(vi) TNJFU Fisheries Business School, Chennai

Sl.No.	Good practices of the institution
1.	All UG and PG students are wearing uniform weekly twice
2.	It is advised to register MOOC course compulsorily
3.	Project work made mandatory for all Final year BBA and MBA students
4.	Compulsory internship BBA and MBA students
5.	Arranging guest lectures for soft skill development for the students
6.	Conducting group discussion and mock interview for final year students

7.	Conducting meeting between parents and teacher
8.	Weekly seminars given to students
9.	Special communication skill training for I Year BBA and MBA students
10.	Frequent anti-ragging awareness programmes for a ragging free campus
11.	Students and teachers' participation on the occasion of various international and national days celebration
12.	Awareness to the student regarding campus cleaning activities and less usage of plastic material in and out of the campus
13.	Campus placement activity
14.	Student college uniform mandatory for weekly twice

(ix) College of Fish Nutrition & Food Technology, Madhavaram

Sl.No.	Good practices of the institution
1.	Conduct of class test for the students after the completion of every unit in the syllabus
2.	Conduct of personality development class for students
3.	Conduct of counselling class for students to rectify the problems
4.	Motivating students to participate in the various competitions, seminars / Conference conducted by authorized Institutions.
5.	Conduct of class review meeting for each batch students to rectify the issues related to classroom Teaching – Learning

(v) Directorate of Incubation and Vocational Training in Aquaculture, ECR, Muttukadu.

Sl.No.	Good practices of the institution
1.	Shrimp seed stocking and rearing was carried out in this quarter.
2.	Maintenance of campus greening with frequent plantation programs were carried out.
3.	Aquafeed production under MoU with CMR feeds was done.

39. Linkages developed with National/International, academic/research bodies

(i) Institute of Fisheries Biotechnology, chennai

Sl.No.	College/Institute	Linkages developed	National/International	Department	Date
1	Raut's Serums India Pvt Ltd, Pune	Student Internship programme	National level private institute	-	July-October, 2024

(ii) Institute of Fisheries Postgraduate Studies, Chennai

Sl.No	College/Institute	Linkages developed	National/ International	Academic/Research bodies	Date
1. 2. 3. 4.	MSSRF Chennai TRPVB, TANUVAS, Chennai, Sathyabama Institute CIBA, Chennai	Linkages were developed and visits, by the postgraduate and doctoral students pursuing their research project work were able to take needy help from the above institutes.	National	Research	Since March 2023

40. Action Taken Report on the Quarterly Meeting

All the Contituent colleges of TNJFU were submitted the Action Taken Report on the meeting conducted during the third quarter in their respective colleges. The report are made available on the IQAC portal in retrievable format.

41. Any other relevant information the institution wished to add.

(i) Fisheries College & Research Institute, Thoothkudi

Sl. No.	Any other relevant information
1.	Genbank submission submitted and accession number PQ045756, PQ045757, PQ045758 received by Department of Fish Quality Assurance and Management.

(ii) Dr. M.G.R. Fisheries College & Research Institute, Ponneri

Sl.No.	Any other relevant information
1.	Institution of New Endowment Award Dr. Uma, Professor instituted a new endowment award for Rs. 1 lakh in the name of her mother Mrs. Mahalakshmi Arumugam for the Best student scoring highest mark/ OGPA in the discipline of M.F.Sc (AAH)

(iii) Dr. M.G.R. Fisheries College & Research Institute, Thalainayeru

Sl. No.	Any other relevant information
	Extension / Technical articles Published

Title of the Article / Press news	Author / Co-Author	Published date	Journal/ Magazine/ Newspaper/Vol. no., page no.

The Power of Next-Generation Probiotics in Fish Health	Imran Mohammed N, Abisha Juliet Mary S J	27.07.2024	The Fish World, a Monthly Magazine Vol 1, issue 4, Pg no- 179-183
Induced breeding and larvae rearing of spotted scat, *Scatophgus argus*	M. Mohammed Faizullah I. Vidhya V. Durai	August 2024	Aquastar 71-73, 2024
Value addition of fish using various processing methods (Tamil)	V. Alamelu S. Balasundari S. Vimaladevi A. Brita Nicy P. Praveenkumar	23.08.2024	Training Manual
E-Marketing Strategies for Fish and Fishery Products (English)	Dr. Mahadevi Mr. P.Yuvarajan Mrs. Muthu Abishag Dr. S.Balasundari	28.08.2024	Pamphlet
Marine and Freshwater Aquaculture Marketing System and Distribution Channels (Tamil)	Mr. P.Yuvarajan Dr. Mahadevi Mrs. Muthu Abishag Mr. Mohammed Faizulla Dr. S.Balasundari	28.08.2024	Pamphlet
Marine and Freshwater Aquaculture Marketing System and Distribution Channels (Tamil)	Mr.P.Yuvarajan Mrs. Muthu Abishag Mr. Mohammed Faizulla Mr. V.Durai Dr. Mahadevi Dr. S.Balasundari	28.08.2024	Training Manual
Isolation and identification of aquatic microbes	G. Ferolin Jessina S.J Abisha Juliet Mary M. Petchimuthu S. Balasundari	23.08.2024	Pamphlet

Seminars/webinars/Conferences attended by faculty staff/Research scholars

Sl. No.	Name and Designation	Title of the Programme	Duration	Venue
1.	Dr.S. Deepika Mr. V.Durai	Editor's Workshop - Enabling A Research Ecosystem	24.09.2024	Online (conducted by Elsevier Research)

Section C: Outcome achieved by the end of the quarter

I. Education (Provide in Numbers)

(i) Fisheries College & Research Institute, Thoothkudi

Number of Courses handled	
UG	32
PG	47
Ph.D	7
Number of Students engaged in research	
PG	25
Ph.D	24

(ii) Dr. M.G.R. Fisheries College & Research Institute, Ponneri

Number of Courses handled	
UG	27
PG	31
Ph.D	
Number of Students engaged in research	
PG	13
Ph.D	08

(iii) College of Fisheries Engineering, Nagapattinam

Number of Courses handled	
UG	25
PG	1
Ph.D	
Number of Students engaged in research	
PG	3
Ph.D	

(iv) Dr. M.G.R. Fisheries College & Research Institute, Thalainayeru

Number of Courses handled	
UG	46
PG	3
Ph.D	-
Number of Students engaged in research	
PG	3
Ph.D	-

(v) Institute of Fisheries Biotechnology, chennai

Number of Courses handled	
UG	21
PG	One

Ph.D	Nil
Number of Students engaged in research	
PG	Nil
Ph.D	Nil

(vii) Institute of Fisheries Postgraduate Studies, Chennai

Number of Courses handled	
UG	-
PG	18
Ph.D	9
Number of Students engaged in research	
PG	8
Ph.D	12

(viii) TNJFU Fisheries Business School, Chennai

Number of Courses handled	
UG	44
PG	10
Ph.D	Nil
Number of Students engaged in research	
PG	10
Ph.D	Nil

(ix) College of Fish Nutrition & Food Technology, Madhavaram

Number of Courses handled	
UG	**37**
PG	Nil
Ph.D	Nil
Number of Students engaged in research	
PG	Nil
Ph.D	Nil

(x) Directorate of Incubation and Vocational Training in Aquaculture, ECR, Muttukadu.

Number of Courses handled	
UG	20
PG	-
Ph.D	-
Number of Students engaged in research	
PG	-
Ph.D	-

II. Research

(i) Fisheries College & Research Institute, Thoothkudi

Number of Ongoing Projects	9
Number of Projects submitted	8

(ii) Dr. M.G.R. Fisheries College & Research Institute, Ponneri

Number of Ongoing Projects	7
Number of Projects submitted	11

(iii) College of Fisheries Engineering, Nagapattinam

Number of Ongoing Projects	-
Number of Projects submitted	4

(iv) Dr. M.G.R. Fisheries College & Research Institute, Thalainayeru

Number of Ongoing Projects	5
Number of Projects submitted	1

(v) Institute of Fisheries Postgraduate Studies, Chennai

Number of Ongoing Projects	4
Number of Projects submitted	1

(vi) College of Fish Nutrition & Food Technology, Madhavaram

(vii) Directorate of Incubation and Vocational Training in Aquaculture, ECR, Muttukadu.

Number of Ongoing Projects	8
Number of Projects submitted	1

III. Extension

(i) Fisheries College & Research Institute, Thoothkudi

Number of Training Program conducted	6
Number of Webinar conducted	--
e- Quiz conducted	--
Advisory services	
a) In-person	
b) By post	
c) Sample Analyses	Rs. 29,600/-
DFPHM	TNJFU Referral Laboratory for Aquatic

	Animal Health (Sc.No.14-106-02) Shrimp samples and water samples were analyzed and an amount of Rs.9, 650/- was earned.
d) Radio /TV Talk	5
e) Field visit conducted	1
DFEES	Visit to Ramanadhi and Manimuthaar Seed Production Centres on 20.8.2024

(ii) Dr. M.G.R. Fisheries College & Research Institute, Ponneri

Number of Training Program conducted	8
Number of Webinar conducted	1
Advisory services	
a) In-person	Nil
b) By post	Nil
c) Sample Analyses	DAQ - 1400 DAAHM - 2100
d) Radio /TV Talk	Teaching faculties delivered talks for All India Radio
e) Field visit conducted	7

(iii) Dr. M.G.R. Fisheries College & Research Institute, Thalainayeru

Number of Training Program conducted	7
Number of Webinar conducted	1
Advisory services	
a) In-person	11
b) By post	-
c) Sample Analyses	-
d) Radio /TV Talk	3
e) Field visit conducted	-

(iv) Institute of Fisheries Biotechnology, Chennai

Number of Training Program conducted	Nil
Number of Webinar conducted	Two
Advisory services	
a) In-person	Nil
b) By post	
c) Sample Analyses	
d) Radio /TV Talk	
e) Field visit conducted	

(v) College of Fish Nutrition & Food Technology, Madhavaram

Number of Training Program conducted	Nil
Number of Webinar conducted	03
Advisory services	
a) In-person	Dr. G. Rajalakshmi, Assistant Professor, CFNFT delivered a guest lecture at Vellore Institute of Technology on 12 th September, 2024 on the topic "Value added Products from Fruits & Vegetables". The guest lecture was attended by the B.Tech. and Integrated M.Sc. students of School of Biosciences and Technology, VIT, Vellore.
b) By post	Nil
c) Sample Analyses	Nil
d) Radio /TV Talk	Nil
e) Field visit conducted	• The first and second year students of B.Tech Food Technology visited two aquaculture farms namely Carp Farming and Pioneer Aquaculture Farm in Ponneri on 12th July 2024. • To provide an exposure to students about the manufacturing steps and equipments used in Bakery industry an industrial visit was arranged to Modern Bakers (Madras) Pvt Ltd, Madhavaram on 18th July 2024. • To provide an exposure on current trends in food industry III year B. Tech Food Technology students were taken to Food Pro 2024 conducted by Confederation of Indian Industry (CII) on 9th August, 2024 held at Chennai Trade Center.

(vi) Directorate of Incubation and Vocational Training in Aquaculture, ECR, Muttukadu.

Number of Training Program conducted	1
Number of Webinar conducted	-
Advisory services	
a) In-person	-
b) By post	
c) Sample Analyses	10
d) Radio /TV Talk	-
e) Field visit conducted	1

IV. Publications
Research
(i) Fisheries College & Research Institute, Thoothkudi

Title	National/International	NAAS Ratings
Department of Aquaculture		
Influence of natural substrate at various density in *Penaeus vannamei* production system at different stocking density on water quality, growth performance and overall outcome	International	NAAS: 6.60
Department of Fisheries Biology and Resource Management		
A record of the ocellated shrimp goby, *Tomiyamichthys russus* (Cantor,1849) (Gobiiformes: Gobiidae) from peninsular India (B. Sureandiran , K. Karuppasamy , G. Mahadevan and N. K. Suyani)	International	NAAS: 7.20 (Published)
Comparative Study of Season-based Haematology of *Mugil cephalus* and *Sillago sihama* from Ennore Creek, Southeast, Coast, India *(*V.V. Lakshmi, N. Jayakumar, A. Uma D. Manikandavelu, R. Durai Raja P. Ruby, Hemamalini)	International	NAAS: 6.60 (Published)
Reproductive Traits of *Schizothorax niger* Heckel, 1838 in Dal Lake, Kashmir (Karthick, N., Farooz Ahmad Bhat, Imtiyaz Qayoom, Jayakumar, N., Sudhan, C.,	International	NAAS: 8.00 (Published)

Seenivasan P, Divya Meril, Ishrat Mohd, Asra Mattoo)		
Phalangipus somnathensis sp. Nov. (Decapoda, brachyura, Epialtidae) a new species of spider crab from India, Arabian sea, with a key to the species of phalangipus Latreille, 1828 (Sureandiran, R, K. Karuppasamy and Suyani)	International	NAAS: 6.70 (Published)
Stock status of four commercially important portunid crab species along the coast of Gulf of Mannar, Southeast coast of India (Adyasa Sahu, Venkataramani, V.K., N. Jayakumar and R. Durairaja)	International	NAAS: 6.70 (Submitted)
New distributional record of Yellowtail blue snapper, *Paracaesio xanthura* (Bleeker, 1869) from the Gulf of Mannar, Southeast coast of India (M. Sharumathi, N. Jayakumar, C. Sudhan, Joyson Paul, K. Karuppasamy)	International	NAAS: 7.10 (Submitted)
Spatio-temporal variations in the diversity and occurrence of lutjanid fish species (Family: Lutjanidae) of the Gulf of Mannar, Southeast coast of India (M. Sharumathi, N. Jayakumar; R. Durairaja; Joyson Paul; C. Sudhan; K. Kalaiarasan; L. Ranjith)	International	NAAS: 8.10 (Submitted)
The role of the Environmental DNA (eDNA) in Ecology and Conservation of Aquatic resources (Adyasha Sahu; N.	International	NAAS: 11.80 (Submitted)

Jayakumar; Debabrata Panda; Sudhan Chandran; Sanjay Chandravanshi; Kamei Ringjonmeilu)		
Phycobiliproteins of Marine red alga, *Kappaphycus alvarezii* possess potent antioxidant and metal chelating properties, and inhibit hepatocellular carcinoma (HepG2) cell growth (Nimish Mol Stephen, Gayathridevi M; Mangaiyarkarasi M; Tehreem Maradagi; Muralidharan N; Jayakumar N; Ganesan P)	International	NAAS: 10.40 (Submitted)
Acute and chronic toxicity of ibuprofen on haematology, histology and enzymological activity of *Labeo rohita* (Rohu) (Sakthi, S., Manimekalali, D, N. Jayakumar)	International	NAAS: 8.90 (Submitted)
Dynamic Landscape of Ichthyofaunal Diversity in India: Discoveries and Exploration (2009–2022)	International	NAAS: 8.10 (Submitted)
New distributional record of rare decapod crustacean *Palinustus waguensis* Kubo 1963 from the Northeast Arabian Sea" (Nitin Suyani, B.Sureandiran and K.Karuppasamy)	National	NAAS: 5.09 (Submitted)
Length-Weight Relationships and Condition Factor of 15 lutjanid fish species of the Gulf of Manna, South East Coast of India (Sharumathi, N. Jayakumar, Joyson, R. Durai Raja)	International	NAAS: 6.70 (Submitted)
Length-weight relationships and relative condition factors of 20 carangid fish species from Gulf of Mannar, Southeast coast of India	International	NAAS: 6.70 (Submitted)
Analysis of Spatio-Temporal Pattern of Shellfish Bycatch	International	NAAS: 8.00 (Submitted)

of Trawl Net Fishery along the Kanyakumari Coast, South India (S. Shamini, N. Jayakumar R. Durairaja and T. Ravikumar)		
First report of *Ablabys macrocanthus* from the west coast if India, Northern Arabian Sea (B. Sureandiran, T. K. Karuppasamy and K. Suyani)	International	NAAS: 7.10 (Submitted)
Department of Aquatic Environment Management		
The effect of growth lipid, and production potential of PUFAs on the acute toxicity of phenanthrene (Phe) and copper (Cu) in indigenous marine microalgae isolated from southeastern coast of India (K. Parkavi)	International	NAAS: 9 (Submitted)
Production and characterization of biodiesel derived from fish waste using low cost cuttle fish bone catalyst (Udhayakumaar)	International	NAAS: 6.7 (Submitted)
Acute and chronic toxicity of ibuprofen on haematology, histology and enzymological activity of *Labeo rohita* (Rohu) (S. Sakthi)	International	NAAS: 8.9 (Submitted)
Department of Fishing Technology and Fisheries Engineering		
Trammel net selectivity for *Lethrinus lentjan* (Lacepède, 1802) and *Saurida tumbil* (Bloch, 1795) in coral reef fisheries of Gulf of Mannar, India	International	NAAS: 6.7 (Submitted)
Quality and shelf life evaluation of Surimi gel-based fish bait under refrigerated and ambient storage	International	NAAS: 6.7 (Submitted)
Development of Artificial fish bait incorporated with Surimi and fatty acid bioattractant	International	NAAS: 8.1 (Submitted)

derived from seafood processing wastes for longline fishing		
Department of Fish Quality Assurance and Management		
Enterprise Attributes and Hazard Risks in the Ornamental Fish Trade: Implications for Ecosystem Integrity and Stakeholder Engagement in Southeast India	International	NAAS: 6.0 (Accepted)
Mineral Composition of the Commercially Valuable Fish and Shellfish Caught along Thoothukudi Coast, Southeast India	International	NAAS: 6.0 (Accepted)
Method validation for the detection of formaldehyde in the fish using ultra performance liquid chromatography.	National	NAAS: 6.50 (Published)
Department of Fish Processing Technology		
Green extraction of agar from *Hypnea pannosa* seaweed: A comparative study of different techniques and optimization using response surface methodology. (B. Deepika, P. Ganesan, B. Sivaraman, N. Neethiselvan, P. Padmavathy)	International	NAAS: 11.10

(ii) College of Fisheries Engineering, Nagapattinam

Author	Title	National/International	NAAS Ratings
T.L.S. Samuel Moses, B. Ahilan, P. Chidambaram, N. Felix, N. Jayakumar.	Optimizing the Supplementation of Calcium and Phosphorus in the Diets of Asian Seabass (*Latescalcarifer*) in Freshwater-based Recirculating Aquaculture System	International	5.60

(v) Institute of Fisheries Postgraduate Studies, Chennai

Title	Journal Name, volume, page	NAAS rating/ Scopus index
Effects of Bisphenol A on haematoloical, gonadal gene expression and histopathological biomarkers in Genetically Improved Farmed Tilapia (GIFT)- ShyamLalTudu, N Hemamalini, E Suresh, P Sriram and S A Shanmugam	Aquaculture International	8.90
Effect of Different Early Weaning Diets on Survival, Growth, and Digestive Ontogeny of *Channastriatus*(Bloch, 1793) Larvae.Kalaiselvan, P., Ranjan, A., Nazir, M. I., Suresh, E., Thangarani, A. J., &Malarvizhi, K.	Animals, 14(19), 2838	9.00
Exploring the Role of Secondary Metabolites from Plants and Microbes as Modulators of Macrophage Differentiation. Cardiovasc.Hematol.Disord. Drug Targets. 2024. Sharma P, Piyushbhai MK, Venkatachalam K, AmbikaBinesh*	Cardiovasc.Hematol.Disord. Drug Targets. 2024.	Scopus cite score:1.90
Copper in Human Health and Disease: A Comprehensive Review. AmbikaBineshand VenkatachalamKaliyamurthi.	Journal of Biochemical and Molecular Toxicology.	Under review.
Impact of selenium supplementation on antioxidant enzyme activity an liver gene expression in juvenile pangasius catfish *(Pangasiuspagasius)*JemilaThangarani, N Felix and S A Shanmugam	Journal fish biology	8.05

Popular Articles

(i) Fisheries College & Research Institute, Thoothkudi

Title	English/Tamil
Extreme Environment: The Fascinating World of Extremophiles	English (submitted)
Turtle Excluder Device	English (submitted)
Phytochemicals: Importance, Source and Application. *08.08.24* Sabujeema - An International Multidisciplinary e-Magazine. 4(8): 42-45 Arisekar, U	English
Seafood Preservation and Biotechnological Application in Seafood Safety	English

and Quality *08.08.24* Sabujeema - An International Multidisciplinary e-Magazine. 4(8): 46-50 Arisekar, U				
Functional and Bioactive Properties of Peptides Derived from Marine Side Streams				Tamil
Marine collagen- A Promising Biomaterial for Wound Healing, Skin Anti-Aging, and Bone Regeneration				Tamil
1.	Seaweeds: An untapped treasure in India	Dr. Gomathy V	August 2024	The Fish World a monthly magazine Vol 1 (5), 228-233
2.	Competitiveness of Indian seafoods in world market (in Tamil)	Dr. Gomathy V	April - June 2024	Meenvalasudar 2 (4), 15-18

(ii) Dr. M.G.R. Fisheries College & Research Institute, Thalainayeru

Title	English/Tamil
The Power of Next-Generation Probiotics in Fish Health	English
Induced breeding and larvae rearing of spotted scat, *Scatophgus argus*	English

Technology output

(i) Dr. M.G.R. Fisheries College & Research Institute, Thalainayeru

Details (In bullets)
• MoU signed with M/s. Shanky Foods, Nagapattinam for utilizing the facilities of the Incubation Centre for 11 months. • MoU signed with M/s. Chenkai Foods, Thalainayeru for utilizing the facilities of the Incubation Centre for 11 months.

(iii) Directorate of Incubation and Vocational Training in Aquaculture, ECR, Muttukadu.

Title	
Shrimp feed	Technology submitted
Asian seabass feed	Technology submitted
Murrel feed	Technology submitted

I. Details of MoU Signed:

(i) Directorate of Incubation and Vocational Training in Aquaculture, ECR, Muttukadu.

Details (In bullets)
• CMR feeds and bio supplements- Preparation of shrimp feed has been done • ECKlian4RAS-Shrimp rearing is going on • Bionik Fisheries LLP

II. Facilities Created (Write a few words on facilities created)

(i) Fisheries College & Research Institute, Thoothkudi

Infrastructure	-
Classroom	-
Laboratory	-
Library	The library has undergone significant upgrades to enhance its facilities and services. A state-of-the-art digital resource center has high-speed internet access for research and online database searches. The library has also created quiet study zones and collaborative spaces to accommodate different learning styles. Additionally, a specialized research assistance desk has been set up to provide tailored support to students and faculty working on fisheries-related projects.
Sports	-
Hostel	-
Revenue generated	Rs.1,41,540/-

(ii) Dr. M.G.R. Fisheries College & Research Institute, Ponneri

Infrastructure	Administrative building of ARTP, ARFF, ARM, PRFF developments
Classroom	1. White washing and tiles repair work done during the first week of July 2024 for the I.B.F.Sc., II B. F. Sc., III B.F.Sc.,PG and Ph.D., class rooms at a cost of Rs. 25,000
Laboratory	Reparing of 80 laboratory stools done on 18.07.2024 to 21.07.2024 at cost of Rs. 25,000
Library	

Sl.No.	Name of the book		Amount in Rs.
1.	Instant World Fisheries The Ultimate Guide to Global Fisheries: A Quick Reference for 200 Countries, Abuthagir Iburahim S Vishal M		677.97
2.	Fish in News 2023 Complete compilation of national and international fisheries current affairs, Asha T landge, Vidhya V Meenatchi S		550.85
3.	Crack Fisheries Easy: Vol -1, Jane Jacob Mani Mozhi E		423.73
4.	Crack Fisheries Easy: Vol -5, Naila M bhat Akilandeshwari A		508.47
5.	Under water Wonders : Fun Facts about Aquatic creatures, Keisham Geenita Surya prabha V		508.47
6.	Fish disease card - 3 Sets, CIFE		1,271.19
			3,940.68
		CGST & SGST 18%	709.34

			Total	4650.00	
Sports	Nil				
Hostel	1. Hostel backyard platform construction at a cost of Rs. 2 lakh 2. Four CCTV cameras installed in girls hostel at a cost of Rs. 53000/- 3. Reparing work of both boys and girls hostels at a cost of Rs. 1,10,415 4. Painting of students hostels both boys and girls hostels at a cost of Rs. 54,568				
Revenue generated	Rs. 8.45 lakh				

(iii) Dr. M.G.R. Fisheries College & Research Institute, Thalainayeru

Infrastructure	-
Classroom	-
Laboratory	-
Library	New books purchased for Rs. 24,844/-
Sports	• Fencing and sand filling of Boys' volleyball court was done. • Sand filling of Girls' volleyball court was done.
Hostel	A new RO system was purchased and installed at Girls Hostel.
Revenue generated	Rs.1,14,900 through training, institutional and Incubation center charges.

(iv) TNJFU Fisheries Business School, Chennai

Infrastructure	Nil
Classroom	Nil
Laboratory	NA
Library	Annual subscription of 15 international journals. Annual subscription of Aquaculture Spectrum and BW Businessworld magazines
Sports	Nil
Hostel	Nil
Revenue generated	

(v) College of Fish Nutrition & Food Technology, Madhavaram

Infrastructure	• Barbed wire fencing at East side of Madhavaram campus near EB Room • Separate EB connection for the College & Girls Hostel obtained
Classroom	NIL
Laboratory	Purchase new equipment for the academic year 2024 - 2025
Library	NIL
Sports	Purchase of Sports material (Volley ball and Football)
Hostel	• Septic tank for Boys Hostel • Waste water & Plumbing work in Boys Hostel • Waste water & Plumbing work in Girls Hostel
Revenue generated	NADP Equipment Usage (Spray Dryer)

	Ms. Bhagyalakshmi, TANUVAS, Koduvalli, Chennai – 52 Amount Rs. 1180/-

(vi) Directorate of Incubation and Vocational Training in Aquaculture, ECR, Muttukadu.

Infrastructure	RAS was given to lease based and utilizing for Industry research
Classroom	Provided with recent technologies
Laboratory	We have advanced equipments for the analysis of water,feed and molecular labs
Library	We have equipped library with computers
Sports	This Institute has outdoor facilities such as volleyball, Throwball, coco and indoor facilities such as carrom and chess
Hostel	No hostel facilities
Revenue generated	Rs.1,14,000 (Aprroximately- inclusive of credit bill - Three months)

III. Students Interactions

(i) Fisheries College & Research Institute, Thoothkudi

Mentor Mentee Meet	Mentor Mentee Meet has been conducted weekly once to the I B.F.Sc students. During the period guided regarding to write popular articles and general issues
Physical Training Meet	
Students Achievement	

(ii) Dr. M.G.R. Fisheries College & Research Institute, Ponneri

Mentor Mentee Meet	No, of Mentor-Mentee meet conducted: 5 Nos
Parent Teacher Meeting	No. of Parent-Teacher meet conducted: 1 No
Flipped classroom model	No. of Flipped classroom model conducted: 2 Nos
Physical Training Meet	No. of awareness programs conducted : 2 No. of guest lectures arranged : 1
Students Achievement	No. of awards in sports events : 4 No. of awards in academic events: 6 No. of awards in cultural events : 5

(iii) College of Fisheries Engineering, Nagapattinam

Mentor Mentee Meet	3
Physical Training Meet	-
Students Achievement	1

(iv) Dr. M.G.R. Fisheries College & Research Institute, Thalainayeru

Mentor Mentee Meet	
Physical Training Meet	-
Students Achievement	Kayal Vizha 2024, an intercollegiate event conducted at Dr. MGR. FC & RI, Thalainayeru on 01.08.2024 the boys team won the Winner trophy in Volley ball match and the runner trophy in Football match in Rowdra Yudha sports events.
	In the event of Pontrifest 2024, boys' team won the runner trophy in Volley ball and Basketball matches conducted at Dr. MGR. Fc & RI, Ponneri on 22.08.2024
	Mr. S. Karthik Raja (2021-22 batch) participated and secured 2nd place in the Senior State Tennikoit Championship organized by the Tamil Nadu Tennikoit Association held at Velammal Engineering College, Red Hills, Chennai on 30.08.2024 to 01.09.2024 and selected for the National level competition.
	District Sports & Youth Welfare Department, Nagapattinam, conducted the CM trophy, a District-level sports competition on 23.09.2024. 40 students from our college participated in the event. Ms. D. Agalaya (2022-23 batch) 2nd year student secured first place in the Silambam, Ms. J. R. Amritha (2021-22) 3rd year student secured second place in the discus throw and Mr. L. Kowsigan 3rd year student secured third place in the 3000 meter running race.

(iv) TNJFU Fisheries Business School, Chennai

Mentor Mentee Meet	01
Physical Training Meet	Nil
Students Achievement	Nil

(v) Directorate of Incubation and Vocational Training in Aquaculture, ECR, Muttukadu.

Mentor Mentee Meet	Allotted mentor mentee to Every students and monitoring the academic activities of students
Physical Training Meet	
Students Achievement	

VIII. Skill Development initiatives for students

(i) Fisheries College & Research Institute, Thoothukudi

Details (In bullets)
SMIG (Social Sciences) Chairperson: Dr. T. Umamaheswari • A Whatsapp group with the Social Sciences students' (Fisheries Economics and Fisheries Extension) of Fisheries College and Research Institute, Thoothukudi and

Dr. M.G.R. Fisheries College and Research Institute, Ponneri on the name of "SMIG DFEES STUDENTS" was formed • Necessary and relevant information are being posted in this group regularly. • An online discussion meeting entitled "Current developments in Fisheries and Aquaculture in line with Union Budget 2024-25" (presented on 23.07.2024) was organized among the students on 31.07.2024 and "Career Opportunities for Social Sciences Students" on 27.08.2024. Dr. M. Krishnan, Principal Scientist (Rtd.) and Advisor, State Level Project Advisory Committee for Marine Resources, Andhra Pradesh shared his views and facilitated the meeting.

(ii) Dr. M.G.R. Fisheries College & Research Institute, Thalainayeru

Details (In bullets)
• A skill motivation program on "Online Live streaming video programme on Ornamental fish farming" was conducted on 08.07.2024 at Dr. MGR FC&RI, Thalainayeru. Mr. V. Rajaraman, Raj Aqua clinic, Kolathur, Chennai as the resource person and has delivered a talk cum live video sessions on Ornamental fish farming cum marketing. • A skill development program on "Career Guidance: Career counseling for Students" was conducted on 12.07.2024. Mr. Abraham Rajesh, Geebee Education, Chennai as the resource person and team has delivered a talk cum activities sessions on Guidance on Career counselling for higher education in Abroad for the students.

(iii) TNJFU Fisheries Business School, Chennai

Details (In bullets)
• Conducted Industry Institute Summit (IIS) for UG and PG students

(iv) College of Fish Nutrition & Food Technology, Madhavaram

Details (In bullets)
• The Dean, CFNFT, suggested that Mr. G. Balaji– may be invited to an Interactive session for FSSAI and GATE and Mr. A. Aswin–for CFTRI Entrance exam preparation.

(v) Directorate of Incubation and Vocational Training in Aquaculture, ECR, Muttukadu.

Details (In bullets)
Lectures arranged to improve communication and technical skills to B.Voc (IA) students

IX. Distance Education / Online Education

(i) College of Fish Nutrition & Food Technology, Madhavaram

Details (In bullets)
• Additional new courses (MOC/ SWAYAM/NPTEL) Five courses selected from the SWAYAM and NPTEL portals were received and recommended by the External Experts in the 4th Meeting of BOS ✓ Artificial Intelligence – Video course ✓ Global Supply Chain Management ✓ Intellectual Property Rights and Competition of Law ✓ Six Sigma – Video course ✓ Marketing Research and Analysis • Blended Teaching Methods for better learning outcomes in Food Technology ✓ FSQ 323 - Sensory Evaluation of Food Products - 3(1+2) ✓ FSQ 324 - Food Quality, Safety Standards and Certification - 2 (2+0)

Section D: Plans of the Institute for the next quarter

Write a few points regarding the plan of action to be initiated towards the quality enhancement for the next quarter.

(i) Fisheries College & Research Institute, Thoothkudi

DFBRM

- UG - 5 courses will be taught from DFBRM
- PG - 4 courses will be taught from DFBRM
- Research guidance will be provided to three PG students
- Regular Project work will be carried out
- Three research papers will be communicated
- Two research papers will be published
- Three Tamil popular articles will be published
- One awareness program will be conducted
- Four radio talks will be recorded

DAEM

- 6 UG and 6 PG courses will be handled.
- One training programmewill be conducted.
- 3 research articles will be published
- Mentor-mentee meeting will be conducted

DAQ

- 6 UG and 6 PG courses will be handled
- Training will be conducted

DFPHM

- Offering courses to UG, PG and PhD
- Continuing the PG and PhD research guidance
- Undertaking National Surveillance programme for Aquatic Animal Diseases – Phase II scheme till March 2025.

DFT&FE

- 4 UG and 6 PG courses will be handled
- 3 research articles will be submitted
- Mentor-mentee meeting will be conducted

DFPT

- The objectives of the EDII Scheme will be accomplished
- The PG and Ph.D. Students research work will be continued
- The courses of the Department of Fish Processing Technology will be handled

DFQAM

- To offer courses for the M.F.Sc degree in Fish Quality Assurance and Management
- To offer courses for the Ph.D. degree in Fish Quality Assurance and Management
- To offer courses pertaining to fish quality and safety to the B.F.Sc. degree students
- To carry out research works on fish quality assurance
- To guide the PG and Ph.D. degree students in the field of fish quality assurance
- To serve as Fish Quality Monitoring and Certification Centre
- To impart training to personnel of seafood processing industries, fisherfolk, SHGs on fish quality and safety

DFEES

- The courses of the Department of Fisheries Extension, Economics and Statistics will be handled
- The on-going teaching programmes of the Department will be continued.
- The sanctioned research and training projects will be taken up.
- New external funded projects will be prepared and submitted.
- The staff will provide guidance to the M.F.Sc and Ph.D. students in their research programmes.
- Extension activities related to fisheries science will be carried out. Articles will be published in the reputed journals.

(ii) Dr. M.G.R. Fisheries College & Research Institute, Ponneri

- Preparation of Standard Operating Procedure (SOP)

- Preparation of Department wise list of Journals
- List of scholarships for UG, PG and Ph.D students
- Consultancy documentation
- Students satisfactory report (Feedback form) from students and trainers
- Complaint box from students (Fixing the mosquito net in the boys hostel)
- Arrangement of special lectures
- The documentation of higher studies from the outgoing students

(iii) College of Fisheries Engineering, Nagapattinam

- To initiate NAAC & NBA accreditation process for B.Tech.(FE)
- To initiate AICTE accreditation process for B.Tech.(EEE)
- Implementation of class committee Meeting
- Documentation of activities by Students Counsellors
- Revision the syllabus of B.Tech.(FE) and B.Tech.(EEE) syllabus
- Formation of CoFE Alumni Association
- Organization of CoFE Alumni Association meeting
- Website updation

(iv) Dr. M.G.R. Fisheries College & Research Institute, Thalainayeru

Sl. No.	Plan of Action
1.	Education Quality Assurance Committee (EQAC) • MS Office Skills Training: EQAC members will provide training in Excel, PowerPoint, and Word for 1st and 2nd Year students. • SPSS Software Training: Training sessions on SPSS will be conducted for 3rd and 4th Year students. • Class Committee Meetings: Meetings will be held for I and III semester students to discuss academic matters. • Feedback Collection and Analysis: Pre-midterm feedback will be collected from I and III semesters, and feedback from II and IV semesters will be analyzed and communicated to faculty. • Parent-Teacher Meetings: Meetings will be organized for all batches to discuss student's performance. • ICAR Mock Exams: Mock exams will be conducted twice a week for the 2021-22 batch.
2.	Training Quality Assurance Committee (TQAC) • Distributing pamphlets regarding upcoming training programmes. • Preparation of IV Quarter training calendar. • Organising committed need-based training programmes for the fourth quarter.
3.	Research & Development Committee (R & D) • Faculty members will be encouraged and supported to submit research proposals in response to calls from various funding agencies. • A discussion meeting will be organized to explore key areas of technological development across different fields of fisheries, involving staff from all departments of our institute.

	• A lecture will be organized for the teaching staff on acquiring funds through Startup TN. • Inter-departmental and inter-institutional research projects will be initiated and supported.
4.	Administrative Quality Assurance Committee (AQAC) • The computer skills training program will be organized for the administrative staff of our institute.
5.	Sports and Co-curricular Development Committee (SCDC) • Psychological counseling sessions for first year B. F. Sc students will be organized. • The girls volleyball court will be improved with new fencing • Students will be encouraged to participate in the intercollegiate sports event at Thoothukudi.
6.	Placement and Business Promotion Committee (PBPC) • A Student Skill Development Program on "Career Guidance" will be conducted in the fourth week of October by Geebee Education, with Mr. Abraham Rajesh from Chennai as the speaker. • A Student Motivation Program, featuring an online talk on "The Scope of Genetically Improved Varieties in Aquaculture," is proposed to be conducted in the fourth week of November by Dr. A. Kathirvel Pandian, Principal Scientist at the NBFGR-PMFGR Center in Kochi, Kerala.

(v) Institute of Fisheries Biotechnology, chennai

- Analysing the Feedback from students and effecting corrective measures if need be
- B.Tech. BiotechnologySyllabus revision will be completed
- Placement activities

(vi) Institute of Fisheries Postgraduate Studies, Chennai

- Continuing the Assessment of feedback responses from students
- Exercise on publication drive
- Encouraging students to take up a small research projects in their disciplines while doing course work.
- Encouraging students to come out with novel ideas / Technology to develop their entrepreneurship skill and incubation.
- Motivation of students to participate and present topics in journal club.
- Appreciation of the students by rewarding for their academic performance.

(vii) TNJFU Fisheries Business School, Chennai

- Conducting placement activities for the passed-out students, final BBA and MBA students through on and off campus interviews.
- Encourage first year BBA and MBA students to create ABC account.
- Encouraging students to express their innovative ideas in fisheries sector through conducting seminars.
- Encouraging students and teachers for publishing articles in Scopus and Web of Science Journals in fisheries and allied sector.

(vii) College of Fish Nutrition & Food Technology, Madhavaram

- The External IQAC meeting will be conducted in October 2024
- The Internal IQAC meeting will be conducted in November 2024
- To discuss with the External members about internship and placement activities
- To conduct awareness program through IQAC
- Dean will discuss with the faculty to prepare and publish the research paper related to food and fish

(ix) Directorate of Incubation and Vocational Training in Aquaculture, ECR, Muttukadu.

- Training program for industry peoples to be arranged
- To engage and linking of B.Voc (IA) Final year students to aqua feed industries
- To upgrade the sports facilites of PPIAT, Muttukadu
- Participation of B.Voc (IA) students in various cultural and sports events at a state level
- Aquaculture units of DIVA to be updated
- Aquaculture infrastructure facilities to be improved
- Parent teacher meeting to be arranged.
- Cleaning and greening of campus to be ensured.

Sd-/---------
Director/Coordinator, IQAC
TNJFU, Nagapattinam