

Internal Quality Assurance Report (April to June 2023)

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

(i) Fisheries College & Research Institute, Thoothukudi

- Providing sign boards in different areas including fish farms and office room
- Display of Common and botanical names of the each of the trees inside the college campus.
- Inclusion of globally recognized certifying authorities in the syllabus of a relevant B.F.Sc. course under the Dept. of Aquaculture
- Information on imitated products to be included in the syllabus of fish processing related UG course under the Dept. of Fish Processing Technology

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

Development and popularization of viable technologies

- The standardization of the fish cube Preparation is in Process. The sensory evaluation is planned for obtaining inputs & refining the technical process.
- Tailor made programmers to meet the need of the trainee sector which include fisher folk, women SHGs and the rural youth undertaken to develop fisheries/ aquaculture entrepreneurship
- The course details and the fee structure for the one month skill course on "pond-Operator" will be submitted for approval. The course will be offered in the next quarter (Farm Manager will serve as Course Coordinator) jointly co-ordinate by the Department of Aquatic and Department of Aquatic Environment Management.
- The schedule and the curriculum will be prepared for "Pre-processor" course for getting approval from University (HOD – DFPT).

(iii) College of Fisheries Engineering, Nagapattinam

- Acquiring AICTE Accreditation and improve the infrastructure and other facilities as per AICTE norms.
- Acquiring ICAR Accreditation and improve the infrastructure and other facilities as per ICAR norms.
- Strengthening the teaching Learning process through formation of class committee, regular conducting of academic audit and getting feedback from the students.
- Motivating the students through counseling and regular conducting of parent teachers meeting.
- Strengthening the research and extension activities by submitting proposals to external funding agencies.

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

- **Education Quality Assurance Committee (EQAC):** To conduct motivational classes by internal and external resource person.
- **Teaching Evaluation Committee (TEC):** IQAC students' feedback for the year 2020-21 and 2022-23 batch will be collected, analyzed and submit the report for further improvement.

- **Training Quality Assurance committee (TQAC):** To conduct the 2 days hands on training for data analysis in fisheries for faculty.
- **Project Quality Assurance Committee (PQAC):** To conduct an online talk on "Mastering the art of writing skills for research papers: Strategies for effective communication".
- **College and campus development committee (CCDC):** To conduct health camp for faculty members during June, 2023 and to organize an anti-drug addiction campaign to the students during 3rd week of June, 2023.


(iv) Institute of Fisheries Biotechnology, Vaniyanchavadi, Chennai

- Obtaining feedback from the faculty
- Obtaining feedback from the students
- Encouraging exchange programmes between institution and industry
- Appreciation of the students by rewarding for their academic performance.
- Strengthening of placement cell

Section B: Details in respect of the following

1. Activities reflecting the goals and objectives of the institute

(i) Fisheries College & Research Institute, Thoothukudi

Sl. No.	Name of the Activities
1.	<p>College of Fisheries Nautical Technology Onboard Training of the cadets of CFNT on MFV Kayal were completed</p>
2.	<p>Department of Fisheries Biology and Resources Management Five B.F.Sc. six M.F.Sc. and 4 Ph.D. courses on Fisheries Resource Management were offered. Guidance as chairman and member are being provided to 9 Ph.D. Students and 2 MFSc students. The Fisheries Museum and shore lab Field Research Facility (SRFF) were maintained by the Department for the research and education purpose. A total of two research projects, TANII (2022-23) and JYRF are being operated in this department. Five research papers were published and one research article was submitted in the peer reviewed journals.</p>  <p>The World Turtle Day was observed by DFB&RM, FC&RI, Thoothukudi on 23.05.2023 an awareness programme on "I LOVE TURTLES" was conducted and a total of 120 participants benefitted</p>

3.	<p>Department of Aquatic Environment Management</p> <p>Three B.F.Sc. and eight M.F.Sc. and 6 Ph.D. courses were offered. The research works pertaining to the department such as Efficiency assessment of bio-adsorbents prepared from fish scales in the treatment of municipal and seafood processing plant waste water in Thoothukudi district, Tamil Nadu, Evaluating selected marine microalgae as a source of carotenoid pigment (lutein) from coastal waters of Thoothukudi, Evaluation of hydrocarbon degrading efficiency of microbes isolated from Dry Docking Yard and Fishing Harbour in Thoothukudi and analyzing the water samples brought by farmers and sea food processing entrepreneurs were carried out. One University Research Project on "Assessing seasonal variations of plankton biomass and diversity in Thoothukudi coastal waters "is being operated.</p>  <p>Industry visit arranged for PG and PhD students of DAEM, FC&RI, Thoothukudi, on 14.06.2023</p>
4.	<p>Department of Aquaculture</p> <p>Six B.F.Sc. and six M.F.Sc. and six Ph.D. courses were offered. Research work has been carried out by four MFSc and one Ph.D. Students. Two externally funded projects are being operated. The flagship programme "Pearl Aqua" was organized. Trainings were conducted. Three training manuals was prepared. Two popular articles were published.</p>  <p>Arranged field visit to Artemia centre, RGCA, Sirkali on 16.6.2023 by DAQC, FC&RI, Thoothukudi</p>
5.	<p>Department of Fish Pathology and Health Management</p> <p>Three B.F.Sc., six M.F.Sc. and eight Ph.D. Courses were offered. Fish and shrimp samples collected from Thoothukudi, Ramnad, Pudukkottai, Thanjavur and Nagapattinam, districts were analyzed under "National Surveillance programme for aquatic Animal Disease s- Phase II". In the Self Financing Scheme entitled "TNJFU Referral Laboratory for Aquatic Animal Health" shrimp samples were analyzed for the presence of pathogens and revenue</p>

earned.



The B.F.Sc students (2020-21 batch) were taken to RGCA Sirkali on 16.6.2023 by DFP&HM, FC&RI, Thoothukudi

6. Department of Fishing Technology and Fishing Engineering



Two B.F.Sc., one B.Voc., four M.F.Sc. and six Ph.D. courses were offered. One ongoing JTRF research project on "Improvement of catching efficiency of wire mesh fish trapes for reef fishery of Therapuram fishing village of Thoothukudi coast" with the budget outlay of Rs. 1.10 lakhs were operated. One research article and one popular article were published.



Developed a model of Artificial squid jigging machine and squid jigging board for display in the exhibition chamber developed at shore campus

7. Department of Fish Processing Technology

Five B.F.Sc. and seven M.F.Sc courses were offered. Three Ph.D. scholars are carrying out their research. Two projects are being operated in the department. Two research articles were published. One training class on cold chain logistics and marketing infrastructure was conducted for the entrepreneur youth. Nine incubates were entertained in the department. Two

	<p>radio talks on the "Application of Nano technology in fish processing industries" and Adulteration of fish species and its effects" were delivered for the benefit of the fisher folk.</p>  <p>The DFPT, FC&RI, Thoothukudi, was equipped with a new equipment Waffle maker to facilitate conducting practicals to students under by products preparation and to the trainees under the training on value added fishery products</p>
8.	<p>Department of Fish Quality Assurance and Management</p> <p>One B.F.Sc. and six M.F.Sc. courses were offered. One research article was accepted. One paid training programmes were conducted. One University Self- Financing Scheme on "Quality analysis of fish samples' is in operation. An amount of Rs. 1,28,130/- (Rupees One lakh twenty-eight thousand one hundred and thirty only) was generated as income towards quality analysis of fish and fishery products in the TNJFU Referral Laboratory for fish quality monitoring and certification. One book and five popular articles were published.</p>  <p>Conducted five days training programme on Microbial Quality Testing of Fish and Fishery Products from 08.05.2023 to 12.05.2023 by DFQA&M, FC&RI, Thoothukudi</p>
9.	<p>Department of Fisheries Extension, Economics and Statistics</p> <p>Four B.F.Sc., 14 M.F.Sc. and four Ph.D. courses were offered. M.F.Sc. and Ph.D. students are being guided. ICAR- NASF research project on "The changing dynamics of labour migration on employment, livelihoods and resource productivity patterns in Indian marine fisheries sector" was</p>

sanctioned with the budget outlay of Rs. 4.395 lakhs on 16.05.2023. The LAN and Wi-Fi connections have been provided to departments, hostels and other units. Five training proposals were submitted for funding support. One training programme, two awareness programmes and one workshop were conducted. One training manual was published. One guest lecture was handled by the faculty.



Conducted a two-day consultative workshop on "Statistical Tools and Data Analysis Software for Fisheries Research" from 23.06.2023 to 24.06.2023 by DFEE&S, FC&RI, Thoothukudi

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

Sl. No	Name of the Activities
1.	<ul style="list-style-type: none"> B.F.Sc, M.F.Sc and Ph.D programs are offered with an objective to produce professionally skilled manpower to cater to the needs of the Fisheries sector of the state. Development and popularization of viable and appropriate fisheries / aquaculture technologies for the production and utilization of the fishery resources are undertaken through research, teaching and extension programmes. Tailor made programmes to meet the need of the trainee sector which include fisher folk, women SHGs and the rural youth is undertaken to develop fisheries / aquaculture entrepreneurship

(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.	<p>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</p> <p>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.</p> <p>The board deliberated on the proposal and re commended that the institute may</p>

	align the course nomenclatures with AICTE's already existing nomenclatures available in the list of approved nomenclatures such as "Energy and Environment Management" etc.
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 Student (for every 10 student one counsellor) IC No : No.5/COFE/NGPT/IQAC/2023

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

Objectives of Dr. MGR Fisheries College and Research Institute, Thalainayeru

- To develop, equip and supply professionally qualified and socially responsible manpower to cater to the needs of fisheries sector at the state and national levels.
- To undertake basic and applied research in the field of fisheries for the benefit of stakeholders (Given in Section B Research Projects (a and b)).

Sl.No	Activities carried out under objective 3		
1	Training Programme		
	1	Faculty training programme on "Data analysis using SPSS"	04.05.2023 to 05.05.2023 (Batch I) 10.05.2023 to 11.05.2023 (Batch II)
	2	Sustainable fish production for zero hunger	31.05.2023
	3	Mastering the art of writing skills for research papers: Strategies for effective communication	30.06.2023
	4	Employment opportunities in banking sectors	15.06.2023
	Awareness Programme		
	1	Conservation and management marine fishery resources of Tamil Nadu	28.04.2023
	2	Seaweed farming and seaweed products	26.04.2023 to 27.04.2023
	3	Current issue in shrimp farming Nagapattinam	10.05.2023
	4	Conservation and sustainable use of biodiversity	22.05.2023
	5	Sustainable fish production for zero hunger	31.05.2023

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

(i) Institute of Fisheries Biotechnology, Vaniyanchavadi, Chennai

Name of the Course	Initiated during the year
M.Tech. (Biotechnology)	Approval has been obtained from the University to start the program from the academic year 2022-2023

3. Innovations in curricular design and transaction

(i) Fisheries College & Research Institute, Thoothukudi

Sl. No	Innovations made
1.	Progress of curriculum activities is being reviewed by the Dean with all the course teachers. All course teachers were instructed to maintain a "Course File" containing course allotment letter, time table, lecture schedule, midterm and practical exam time table, question paper, mark sheets; and the student feedback forms.

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

Sl.No	Innovations made
1.	The Academic auditing has been completed by the coordinators. for 2022 – 2023 batch

(iii) 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.

4. Inter-disciplinary programmes started:

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

Name of the programme	Started during the year
Video recording of the proposed skill course on culture of <i>Etroplus</i> sp.	Trial recording was completed and the original recording of the talk is undertaken.

5. Examination reforms implemented

(i) Fisheries College & Research Institute, Thoothukudi

Name of the reforms	Implemented during
Offline examination	For the year 2022-23

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

Name of the reforms	Implemented during
1. Continuous unit-wise Assessment Test (CAT) will be Conducted	1. It will be implemented in the upcoming semesters for the 2022 – 2023 Batch.
2. Mobile-based examination will be replaced with laptops in final examination	2. The conduct of exams on offline mode has been done based on University orders instead of online mode
3. High speed internet connection (BSNL leased line) will be provided in exam hall	3. 40 MBPS Internet leased line has been purchased from BSNL for the purposes installed.

(iii) Institute of Fisheries Biotechnology, Vaniyanchavadi, Chennai

Name of the reforms	Implemented during
Online exams	Induction of 'ON LINE' examinations for all the courses of B.Tech. (Biotechnology) degree program

6. Candidates qualified: JRF/AIEEA-PG/NET/ARS:**(i) Dr. M. G. R. Fisheries College & Research Institute, Ponneri**

Sl. No	Name of the students
2014-15 Batch	
1.	Naveen kumar
2.	Naveen Rajeshwar
3.	Dhanalakshmi
4.	Philominal
2015-16 Batch	
5.	Raghuvaran
6.	Revathi
7.	Suvetha
8.	Praveen kumar
9.	Rajalakshmi
10.	Aruna Shree
11.	Harshavarthini
2016-17 Batch	
12.	Veeramani Maruthy
13.	Sandhiya
14.	Satheesh
15.	Keerthivarman
16.	Ramya
17.	Rahul
18.	Rakesh
19.	Suguna
20.	Maniselvam
PG/Ph.D	
21.	Bharathi
22.	Praveen

(ii) Institute of Fisheries Biotechnology, Vaniyanchavadi, Chennai

Name of the Candidate	Qualified in
V. Jothiswaran	GAT-B
M.Harinivas	GAT-B
R.Sanjay Kumar	GAT-B
L.Subitsha	GAT-B
Sanjay Vijayakumar	GAT-B
N. Rohith Reddy	GAT-B
S. Tamil Mani	GAT-B

7. Initiative towards faculty development programme:**(i) Dr. M. G. R. Fisheries College & Research Institute, Ponneri**

Sl.No	Initiative taken towards faculty development programme
	Conduct of demonstration workshop on office procedures for non – teaching staff: Nil All the teaching staff attended the workshop on “Blended Teaching Methods for Better Learning Outcomes in Fisheries Education (26.5.2023)” at IFPGS, OMR campus, Vaniyanchavadi

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

Sl.No	Initiative taken towards faculty development programme
1.	Under the Training Quality Assurance cell of IQAC a hands-on faculty training programme on “Data analysis using Statistical Package for the Social Sciences (SPSS)” was organized for the teaching staff of Dr. M.G.R. Fisheries College and Research Institute, Thalainayeru for 2 days in two batches on 04.05.2023-05.05.2023 and 10.05.2023-11.05.2023.A total of 18 faculty attended the training.

(iii) Institute of Fisheries Biotechnology, Vaniyanchavadi, Chennai

Sl.No	Initiative taken towards faculty development programme
	Dr.U.Lalithapriya, Assistant Professor (C) got trained in CRISPR Cas technology at TANUVAS

8. Total number of seminars/workshops/conferences conducted:**(i) Dr. M. G. R. Fisheries College & Research Institute, Ponneri**

Name and Designation	Title of the Programme	Duration	Venue
All teaching staff	Workshop cum demonstration for the use of Interactive Board	4.5.2023-5.5.2023 (2 days)	Dr MGR FCRI, Ponneri

(ii) College of Fisheries Engineering, Nagapattinam

Name of the Seminars/Workshops/conference	Date
One day workshop on Advancement in Information Technology tools and sea safety	06.06.2023
One day workshop on Fishing Technology	06.06.2023

9. Research projects a) Ongoing b) completed

(i) Fisheries College & Research Institute, Thoothukudi

a) Ongoing Research projects : 8 Nos.

Sl. No.	Name of the faculty	Title of the project	Funding Agency	Budget of the project	Salient Research findings
1.	Dr. R. Shalini Assistant Professor and Head	Self financing scheme on "Quality analysis of fish samples"	Revolving fund	Self - Financing	No. of samples analyzed- 21 Bench and Fees Total Income Rs.1,28,130/-
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	The project has been sanctioned on 16.07.2023
3.	Dr. N. Jayakumar, Associate Professor & Head	Assessment of spawning seasonality of Major marine fishery groups along the coast of Tamil Nadu for sustainable fishery management	Tamil Nadu Innovation initiatives (TANII)	146.80	Detailed below
<ul style="list-style-type: none"> Specimens of major marine fish groups and catch data were collected from the major fishing harbours situated along the coast of Tamil Nadu periodically. Morphometric measurements like total length / fork length and total weight were taken for all the specimens collected. Fish specimens collected were dissected and number of males and females were recorded for each species based on the presence of testis and ovary for the determination of sex ratio, Reproductive biological characteristics like gonad length, gonad weight, maturity stages, feeding intensity, gut weight, weight of the gut contents and liver weight were recorded for each species. The female gonads (ovaries) were preserved in Gilson's fluid and number of eggs were counted to estimate the fecundity. Ova diameter were measured using ocular micrometer for ascertaining intra-ovarian periodicity Plankton sampling was done for the collection of eggs and larvae of fishes. All the field data and data collected in the laboratory were entered in the data register and excel database. Purchased two units of Automatic Tissue Processor at a cost of Rs. 5,40,000/- and two units of Tissue Embedder at a cost of Rs. 7,89,000/- through GeM. Taken steps for the purchase of deep freezers, PCR, Electrophoresis units and microtome. Installation works were done for Tissue Embedding station and Automatic Tissue Processor Histology of gonads was done Plankton sampling was done for the collection of eggs and larvae of fishes 					

	<ul style="list-style-type: none"> • Museum jars were purchased • Request for the approval for the purchase of PCR (three units) was submitted to the purchase committee. Further, request for permission to purchase deep freezer (three units) through limited tender was submitted to the Finance Officer, TNJFU, Nagapattinam 				
4.	Mr. C. Sudhan Principal Investigator	Digital solutions for sea turtle conservation in south Tamil Nadu	TNJFU-JTRF Scheme (2021-22)	1.70	Detailed below
	<ul style="list-style-type: none"> • Developed one android mobile application for the turtle species identification, conservation and management along Gulf of Mannar coast • Released Olive ridley hatchlings in Rajakkamangalam coast of Kanyakumari district, Tamil Nadu • Developed one blog for the turtle species identification, conservation and management along Gulf of Mannar coast • Launched test drive for the developed blog in open-source cloud for copyrights, similarity and plagiarism updates • Conducted one awareness program on the World Turtle Day' 23 and 120 participants were attended the program • Conducted sampling along the study area specific to Tirunelveli district and identified one turtle shell remaining at Uvari 				
5.	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: <ul style="list-style-type: none"> • 40 <i>P.vannamei</i> and 2 <i>P. monodon</i> samples were collected from Thoothukudi, Ramanathapuram, Pudukkottai, Thanjavur, Cuddalore and Nagapattinam district shrimp farms. Analysis: <ul style="list-style-type: none"> • 42 shrimp samples were analyzed for the presence of WSSV by PCR. One was positive for WSSV. • 42 samples were analyzed for EHP. Out of the Forty-two samples, 8 samples were positive for EHP. • 42 samples were analyzed for the presence IHHNV, MBV, BP, IMNV, TSV, and YHV and all were negative. • 42 samples were analyzed for Decapod iridescent virus (DIV1) by PCR. The analysis gave negative result for DIV1. • Bacteriology: Eighty bacterial isolates isolated from shrimp samples were analysed for the presence of AHPND by PCR. All isolates were negative for AHPND. • An awareness programme was conducted at Fisheries College and Research Institute, Thoothukudi on 28.04.2023 and the role and activities of National surveillance programme were explained to the farmers. Fish Analysis: <ul style="list-style-type: none"> • Snakehead fish samples and Tilapia fish samples collected from Erode district were analysed for the presence of Rhabdovirus. The analysis gave negative result. • Tilapia, Pacu and Gara fish samples were collected from Madurai district were 					

analysed for the presence of Tilapia lake virus. The analysis gave negative result for Tilapia lake virus.

Cells culture

Cells maintained:

- Currently the following the cell lines were split regularly and maintained in the cell culture:
- SSN1 –P1087, SBCP2a- P669, SBCP2 –P715, BF2 – P705, Fusion flask – P479, EPC-478, CFSP –P482, CFBR –478, CFBR4-520, CFFN2- 445, Kio Gill-263.
- Brain, kidney, spleen and eye tissue samples (Pooled) from tilapia and snake head fish samples collected from Bhavanisagar, Erode district was analysed in SSN1 and EPC cell line for the presence of viral agent.
- Brain, kidney, spleen and eye (Pooled) from Tilapia fish (2Nos), snake head and Rohu fish samples collected from Thiruchirapalli fish market and Sirumayankudi village, Tiruchirapalli district were analysed in SSN1 and EPC cell line for the presence of viral agent.
- Brain, kidney, spleen and eye (Pooled) tilapia and common carp fish samples collected from Thirumalaipadi, Ariyalur district were analysed in SSN1 and EPC cell line for the presence of viral agent.
- Brain, kidney, spleen and eye (Pooled) of snakehead fish samples collected from fish market and Palayakayal, Thoothukudi district were analysed in SSN1 and EPC cell line for the presence of viral agent.
- Brain, kidney, spleen and eye (Pooled) tissues of Tilapia, Pacu and Garra fish collected from Madurai district were analysed in SSN1 and EPC cell line for the presence of viral agent

6.	Dr. P. Ganesan (as PI)	Establishment of Marine Products business incubation forum	EDII, Chennai	250 lakhs	Detailed below
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EDII-MPBIF related activities

- Submitted 2022-23annual report of EDII-MPBIF, DFPT, FCRI, Thoothukudi to the funding agency, EDII-Chennai.
- Submitted progress report of EDII-MPBIF upto May 2023 to EDII, Chennai
- Explained EDII-MPBIF incubational support to DIC officials, Tirunelveli and the startup, Caruvadu on 07.06.23 and subsequently demonstrated seafood pickle production to them on 09.06.23.
- Submitted write-up on success story of EDII-MPBIF, FCRI, Thoothukudi to Dean, FCRI.
- No. of incubates enrolled: 2 Nos.
- Tender documents respect to stabilizer were sent to purchase committee

7.	Dr. P. Ganesan Hub Co- ordinator	Innovation and Entrepreneurship Development Programme (IEDP)	EDII, Chennai	Till now received Rs.2,00,500 and spent Rs. 1,97,822 for the conduct of various programs under the project. Further, the upcoming fund will be received then and there	Detailed below
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				during the conduct of the programs.	
IEDP – Hub related activities					
<ul style="list-style-type: none"> Initiated spoke registration under fisheries hub with Tamil Nadu Maritime Academy, Thoothukudi and Parimalam School of Nursing, Kovilpatti Submitted work done report and UC for the month of June 2023. 					
8.	Mr.S.Mariappan	Improvement of catch efficiency of wire mesh fish traps for reef fishery of Thereshpuram fishing village of Thoothukudi District	DFT&FE FC & RI, Thoothukudi	Rs.1.10 lakhs /- (TNJFU-JTRF)	Detailed below
<ul style="list-style-type: none"> Two experimental fishing trails were carried out in the selected fishing grounds of Thereshpuram fishing village on 08.04.2023 and 22.04.2023 Information on the catch including the type of fish caught, the length and weight of the fish captured in the trap, and the prices of the fish caught were collected. Work done report has prepared and submitted. Letter prepared and submitted to the Finance Officer, TNJFU regarding release of 2nd instalment to carry out further research works Information on the catch including the type of fish caught, the length and weight of the fish captured in existing fish trap, and the prices of the fish caught were collected. Work done report has prepared and submitted Letter prepared and submitted to Finance Officer, TNJFU regarding release of 2nd instalment to carry out further research works Letter prepared and submitted to Registrar to obtain Sanction order to release 2nd instalment 					

b) Completed Research projects: 1 No.

Sl. No	Name of the faculty	Title of the project	Funding Agency	Budget of the project	Salient Research findings
1.	Dr.V.Rani Professor	Production of Eicosapentaenoic acid (EPA) from marine Diatom <i>Phaeodactylum tricorutum</i> isolated from coastal waters of Gulf of Mannar (S.C. No:EEQ/2019/000760)	DST – SERB, Govt. of India, New Delhi	Rs.41,85,661/-	Detailed below
<ul style="list-style-type: none"> This study forms the first documentation on the isolation of indigenous marine diatom <i>Phaeodactylum tricorutum</i> from Pamban coastal waters, Gulf of Mannar, India. In this project, it is concluded the wild type marine diatom <i>P.tricorutum</i> can accumulate lipids up to 32% under stress conditions. Due to its robustness, the diatom has the potential to produce high biomass it can be used as larval feed in aqua hatcheries and can also be used in wet or dry form as a supplement in animal feed Attended the Group monitoring workshop and presented the progress of the project to the Progress review committee, DST-SERB, New Delhi held at IIT, Guwahati during 					

June 2nd and 3rd 2022

- Expenditure statement prepared for the 3 years of the project and uploaded in SERB portal
- Institutional charge Rs.1,03,000/- has been paid to the University corpus fund account
- Project closure report submitted to the SERB portal which has been accepted by Programme advisory committee (PAC)

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

a. Ongoing Research Projects

Sl. No	Name of the faculty (PI)	Title of the project	Funding Agency	Budget (Lakhs)	Salient Research findings
1.	Mrs. S. Aruna Applied for Extension for 1 year (upto 31.3.2024)	Artificial Coral Reef / Live Rock (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	<ul style="list-style-type: none"> • Water and sediment samples were collected from AR deployed site and their Physi co-chemical parameters were analyzed • Monthly fish landing data are gathered to monitor the fish diversity in the local fishing village
2.	Dr.A.Uma	Integrated Disease Surveillance monitoring system and seed quality assessment to Augment Aquaculture Production in Tamil Nadu at TNJFU - Madhavaram campus	NADP	130.60	The second year budget has been allotted for the continuation of the project delivery 2023 -2024 yet to be received from the office.
3.	Mrs. S. Aruna	Study on the assessment of fishery resources and its productivity to assess the ecosystem services in the critical ecosystems along East coast of India	NCCR	31.61	<p>Water and sediment samples were collected from Pulicat lagoon and their Physico-chemical parameters were analyzed</p> <p>Phytoplankton and zooplankton diversity were assessed.</p>

4.	Dr.Mahadevi	Cost effective captive breeding technology for Channa striata (Striped Murrel) for field level adoption	TNSLURB	15.18	<ul style="list-style-type: none"> • Created facility for brood stock rearing and breeding of striped murrel. • Brood stock rearing is in progress.
5.	Mrs.S. Agnes Daney Angela	Socio – Economic and Environmental impact study of shrimp farms and hatcheries in selected districts of Tamil Nadu	TNJFU Research Corpus Fund	14.98	<p>1. Due to insufficient funds, sampling could not be carried out from March 2023 onwards.</p> <p>2. Review meeting was conducted on 25.05.2023 at IFPGS, campus, vaniyanhavadi. In pressure of the vice Chancellor, TNJFU, Nagapattinam, and the director of Research, The Dean Dr.MGR FCRI Ponneri and representative of Aisha.</p> <p>3. Once the second installment amount released, the impact of shrimp farms will be studied.</p>
6.	Dr. Cheryl Antony	Evaluation of the effect of protein hydrolysates on the growth and immune response in <i>Penaeus vannamei</i>	Kemin, Chennai	7.55	The feeding trial has been completed and challenge study is completed. Data analysis and report prepared and report has been sent to the funding agency for review
7.	Dr. S. Saravanan	Standardization of Invitro propagation of commercially important seaweed of <i>Gracilaria sp</i> in the Pzhaverkadu region for the mass multiplication through tissue culture	TNJFU-JTRF	2.00	<ul style="list-style-type: none"> • The seaweeds disinfected and acclimatized for three days, transferred to sterile sea water. replaced by Different nutrient media like Guillard Marine Enriched seawater with

					different hormonal combinations were tried.
8.	Mr. K.Karuppasamy	Studies on Taxonomic evaluation and stock assessment of Marine Clupeiforms fishes (Family: Clupeidae, Engraulidae, Prestigasteridae, and Chirocentridae) employing traditional molecular tools along the Coramantal coast of Tamil Nadu, South east coast of India.	TNJFU-JTRF	2.00	The proposal is accepted for JTRF funding The project started from (July, 2023) Totally 10 species of clupieformes were recorded from Chennai coast.
9.	Mr. K.Karuppasamy	A study of Ichthyofaunal diversity along the Chennai Coast of Bay of Bengal Region	URP-TNJFU	-	Collected data from two landing center in the research areas. About 305 - 325 species has been recorded along Chennai
10.	Mrs. B. R. Sona	Seasonal variation and diversity assessment of macrobenthos in Pulicat lagoon	URP-TNJFU	-	Water quality (cod, BOD, DO, PH) water analyzed in water sample Sediment grain size and organic carbon were analyzed in sediment sample, 20 species of macro benthos have been identified.

b. Completed Research Projects

Sl. No	Name of the faculty (PI)	Title of the project	Funding Agency	Budget (Lakhs)	Salient Research findings
1.	Dr. Cheryl Antony	Evaluation of the effect of protein hydrolysates on the growth and immune response in <i>Penaeus vannamei</i>	Kemin, Chennai	7.55	The feeding trial has been completed and challenge study is completed. Data analysis and report prepared and report has been sent to the funding agency for review

2.	Mrs.S. Agnes Daney Angela	Establishment of "Digital Blue"- E-extension hub in Aquaculture and Fisheries Sector	NADP	106.00	The scheme has been completed on 31.3.2023
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(iii) College of Fisheries Engineering, Nagapattinam

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.M.Ram ar	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.Kam alakannan	Design and Development of IoT based smart fish grading system	TNJFU-JTRF	Rs.2,00,000/-	1. Preparing quotation document for updating fish grading system

(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
1.	Mr. S. SanthoshKumar and 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	<ul style="list-style-type: none"> In Nagapattinam and Cuddalore regions, three fish samplings collected 36 species, one sampling in Cuddalore had 16 species. Biological data, including size, weight, sex were assessed for a total of 52 species. Additionally, 42 ovary samples were preserved for fecundity analysis. Field data were entered into an Excel database. In subsequent samplings, 18 species were found in Nagapattinam and 15 in Cuddalore. Biological data was assessed for 33 species, and 47 ovary samples were preserved. Fecundity and ova

					<p>diameter were analyzed for 20 species.</p> <ul style="list-style-type: none"> Eggs, larvae, and plankton were collected from both stations.
University Funded Projects					
1.	<p>Mrs. S.J. Abisha Juliet Mary</p> <p>Assistant Professor</p>	<p>Spatial Distribution of β-Lactam Resistance genes among <i>Vibrio</i> spp. Isolated from Shrimp farms of Vedaranyam</p>	TNJFU – JTRF	2 lakhs	<p>3. Analyzed biochemical characteristics for 463 isolates and summarized findings.</p> <ul style="list-style-type: none"> Conducted Antimicrobial Susceptibility Tests for 26 green shrimp colony isolates from sampling 1, revealing sensitivities to specific antibiotics. Identified high resistance rates: 96% to Penicillin, 92% to Methicillin, and 88% to Nalidixic acid. Tetracycline showed 81% resistance, while Sulphamethiozole and Doxyhydrochlorine had 77% resistance. MAR index ranged from 0.16 to 0.63, indicating significant antibiotic contamination. Collected 225 shrimp samples and 90 water samples. Isolated 463 <i>Vibrio</i> sp from the samples. Reisolated 30 bacteria from glycerol stock. Conducted AMS tests on 10 reisolated bacteria via disk susceptibility assay. Examined 24 isolates for efflux-mediated drug resistance; 20 were positive, suggesting the use of efflux mechanisms to combat antibiotics.
2.	<p>Mr. S. Kesavan</p> <p>Assistant Professor</p>	<p>Assessment of microplastics and debris abundance in point Calimere wetland and Muthupet mangrove</p>	TNJFU – JTRF	1.70 lakhs	<ul style="list-style-type: none"> Permission requesting for sampling in the reserve mangrove forest has been prepared for submission to the forest department. Conducted survey on for marine debris and collected

		ecosystems			sediment samples from Muthupet lagoon and mangrove regions on 22.06.2023
3.	Dr. S. Deepika Assistant Professor	Study on the impact of shrimp farms and anthropogenic activities on the water quality of the selected locations along Vedaranyam canal	TNJFU –URP	0.5 Lakhs	Final report to be submitted.

b) Completed Research Projects

Sl.No	Name of the faculty	Title of the project	Funding Agency	Budget of the project	Salient Research findings
1.	Dr. V. Alamelu Asst. Professor	Emergence of <i>V. vulnificus</i> risk in seafood safety in response to climatic changes (SC.NO.22 – 101– 01)	DST – SERB, New Delhi	39.67 Lakhs	<ul style="list-style-type: none"> Isolated and studied the important virulent biomarkers of <i>V. vulnificus</i> from the seawater and various seafood harvested during different seasons in Tamil Nadu coast Studied the effect of environmental parameters on the expression of virulence genes of <i>V. vulnificus</i> Studied the antibiotic susceptibility of the <i>V. vulnificus</i> isolates Antibiotic susceptibility of the 184 selected isolates was evaluated against the selected antibiotics using the disc diffusion method. <i>Escherichia coli</i> ATCC 25922 was employed as a bacterial strain for quality control. Antibiotic resistance profiles of <i>V. vulnificus</i> isolates were studied for antimicrobial susceptibility testing. Virulent gene expression studies were carried out.
University Funded Projects					
1.	Mrs.S.Vimaladevi, Assistant	Development and standardization of health drink from	TNJFU JTRF	– 2 lakhs	<ul style="list-style-type: none"> Water-soluble chitosan (WSC) based products were formulated and the

	Professor	Bio-modulated chitosan			<p>products were found to decrease fat accumulation in adipocytes.</p> <ul style="list-style-type: none"> • WSC based products were found to be safe for consumption and the developed products can be used as anti-obesity food products.
2.	Mr. V. Vijayarahavan, Assistant Professor	Formulation of Ulva based jam products	TNJFU - URP	0.30 lakhs	<ul style="list-style-type: none"> • Developed Ulva Jam and assessed its nutritional properties. • The Shelf life of the seaweed Jam was found to be 6 months.
3.	Mrs. S.J. Abisha Juliet Mary Assistant Professor	Isolation and characterization of antimicrobial resistant gut microflora associated with farmed shrimps in Nagapattinam region	TNJFU –URP	0.6 lakhs	<ul style="list-style-type: none"> • Shrimp samples were collected from the selected 12 sites. • A total of 92 bacterial isolates were isolated and characterised • In the 92 G+ve isolates, 32(39.5%) were identified as <i>Vibrio parahaemolyticus</i>, 31(20.8%) were identified as <i>Aeromonas hydrophila</i> and 29(18.2%) were identified as <i>E. coli</i>. • AST was done for 13 <i>Aeromonas hydrophila</i> isolates and 15 <i>E. coli</i> isolates. • Shrimp samples were collected from the selected 12 sites and isolation of bacteria was done. • Biochemical characterization was done for each isolate.
4.	Mr. V. Durai Assistant Professor	Investigation on the catching efficiency of Monofilament And Multifilament Gillnets being operated selected fishing villages of Nagapattinam District	TNJFU –URP	0.3 lakhs	<ul style="list-style-type: none"> • 12 months work has completed regarding data collection. • CPUE calculation estimation was done. Works is in progress for two-way ANOVA tool. • Catching efficiency of multifilament was better than monofilament.
5.	Mrs. M. Muthu Abishag Assistant	Studies on the low temperature preservation of microalgae	TNJFU –URP	0.45 lakhs	<p>4. The pure culture of <i>Navicula</i> sp. can be obtained by serial dilution and incubation in f/2</p>

	Professor	(<i>Navicula</i> sp.) isolated from shrimp farms			<p>Guillard media at 27-28°C at 100 lux for about 15-20 days.</p> <p>5. Among the different low temperatures preserved, <i>Navicula</i> sp. Cryopreserved at -196 °C using 5% DMSO as cryoprotectant following 2 step freezing protocol exhibited good growth characteristics.</p> <ul style="list-style-type: none"> • Final report was submitted on January, 2023
6.	Mr. P. Yuvarajan Assistant Professor	Water hyacinth leaf meal in the diet of genetically improved farmed tilapia	TNJFU –URP	0.46 Lakhs	<ul style="list-style-type: none"> • A 60-day feeding trial was conducted for the replacement of deoiled rice bran by solid state fermented water hyacinth leaf meal with the graded level of 0% (Control), 33% (Treatment 1), 66% (Treatment 2) and 100% (Treatment 3). • Better growth performance was observed in the treatment 3 compared to control and other treatments. Hence, SSF-WHLM can completely replace the DORB in the diet of genetically improved farmed tilapia. • Final report was submitted on January, 2023.
7.	Mr. S. Kesavan	Assessment of molluscan diversity and debris abundance in Point Calimere wetland	TNJFU-URP	0.10 Lakhs	<ul style="list-style-type: none"> • The mean average marine debris in Point Calimere wetland is estimated as 1.23 ± 1.17 count/m². • Among the plastic, plastic rope and fishing net contributed around 74% indicating the prevalence of fishing related debris in this region. • Shoreline/recreational activities and Ocean/waterway activities (mainly fishing) are the major source of

					<p>debris pollution in Point Calimere wetland.</p> <ul style="list-style-type: none"> • In terms of number, Plastic contributed more to the pollution followed by clothes indicating the rural dumping of clothes into the coastal region. • A total of around 40 species of molluscan has been identified from the Point Calimere wetland.
Institutional development Project:					
1.	<p>Mrs.S.Vimaladevi, Assistant Professor (Co-PI)</p> <p>Mr. V. Vijayarahavan Asst. Professor (Project in charge from May, 2022 onwards)</p>	<p>TNJFU's Business Incubators in Aquaculture and Fish Processing to promote start-ups integrated Fisheries Entrepreneurship in Tamil Nadu State</p>	NADP	72 lakhs	<ul style="list-style-type: none"> • Conducted training programmes for fishing communities on value added fish products. • Incubation centre for fish products was established

(iv) Institute of Fisheries Postgraduate Studies, Vaniyanchavadi, 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. Deepak Agarwal	Deciphering genomic insights associated with adaption in <i>Etroplus suratensis</i> (Pearl spot) for climate resilient aquaculture	ICAR-NICRA	Rs.33.5 lakhs	Experimental part is completed and sampling is being done
2	Dr. V. Kaliyamurthy	Understanding the mechanism of resveratrol and IL-17 knockdown on macrophage via NFkB signaling pathway under metabolic stress	DST SERB – CRG	Rs.45 lakhs	Newly Sanctioned Project-funds yet to be released by the funding agency

		conditions			
3	Dr. Ambika Binesh	Investigation on molecular crosstalk of inflammatory hub NFkB and NICD using zebrafish model	DST SERB – SRG	Rs.31.1 lakhs	Unable to initiate the second year objectives pending release of funds from the funding agency

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

(i) College of Fisheries Engineering, Nagapattinam

Patent Granted	Patent No.	Date
High – Accuracy Bi-Axial Shake Table	387596-001	04.06.2023

11. New collaboration research programmes:

(i) College of Fisheries Engineering, Nagapattinam

Sl.No.	Name of the programme	Collaborated with	Date
1	One month Student Research - paid internship	EGS Pillai College of Arts and Science, Nagapattinam	09-03-2023 to 08.04.2023

(ii) Institute of Fisheries Postgraduate Studies, Vaniyanchavadi, Chennai

Sl.No.	Name of the programme	Collaborated with	Date
1	Research work collaboration for CLSM, SEM and Histopathology	Saveetha 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	Self-Financing Scheme on Promotion of Value added Aquatic food Products	2022 - 2023	Seed Money from TNJFU	Rs.2,00,000/-
2	ICAR-NICRA Project on Climate change and their role in the emergence of antibiotic resistance Salmonella in farmed shrimp and its environment	2022 - 2023	ICAR-NICRA, Hyderabad	Rs.3,01,000/-

(ii) Institute of Fisheries Postgraduate Studies, Vaniyanchavadi, Chennai

Sl.No.	Name of the Research Grant	Year	Agency Name	Amount (Rs.)
1	NICRA	2020-21	ICAR	Rs.33.5 lakhs
2	SERB – CRG	2020-21	DST	Rs.45 lakhs
3	SERB – SRG	2022-23	DST	Rs.31.10 lakhs

13.Details of research scholars

(i) Fisheries College & Research Institute, Thoothukudi

Ph.D.: 29 Nos.

Sl. No.	Name of the Research Scholar and ID.No. of the scholar	Batch	Degree	Title of Research	Research findings and status
Department of Fisheries Biology and Resource Management					
1.	Ms. Bavithra DPF (T) 16030	2016 - 17	Ph.D.	Integrative taxonomy of selected marine Ariid catfishes of south Tamil Nadu	Carried out research sampling and data analysis
2.	Mr. R. Durairaja - U-18-TN-03-D-F-006	2018 - 19	Ph.D.	Distribution, diversity and stock assessment of fishes in potamon zone of Thamirabarani River, Tamil Nadu, South India	Thesis submitted and awaited for viva-voce
3.	Mr. Mahesh Chand Sonwal, I-18-TN-03-002-D-F-011	2018 - 19	Ph.D.	Studies on molecular taxonomy, population dynamics, fishery and biology of selected species of Nemipteridae family along the Gulf of Mannar and Wedge Bank, Tamil Nadu coast	Thesis submitted and conducted Final Viva Voce
4.	Nanjala Veerbhadra Rao U -20 – TN – 03 – 002 – D – F – 007	2020 – 21	Ph.D.	Diversity and stock assessment of fish species of Godavari River, Andhra Pradesh	Carried out research sampling and data analysis
5.	Tamil Selvan R U -20 – TN – 03 – 002 – D – F - 009	2020 - 21	Ph.D.	Fishery biology and stock status of File fishes (Family: Monacanthidae) along south Tamil Nadu	Carried out research sampling and data analysis
6.	Mrs. Nagothi Jesintha U-18-TN-03-003-D-F-007 (FRM)	2020-21	Ph.D.	Assessment of finfish and shellfish biodiversity and fishery and population characteristics of selected penaeid shrimp species of Pulicat Lake, South-east coast of India	Carried out research sampling and data analysis
7.	N. Moulitharan U-20-TN-03-003-D-F-002	2020-21	Ph.D.	Studies on ichthyofaunal diversity of rivers of Tiruvallur District, Tamil Nadu, South-east India	Carried out research sampling and data analysis

8.	Hari Prasad U-17-GJ-04-004-M-F-005	2021-22	Ph.D.	Diversity, Biology and Stock Assessment of Lesser studied Penaeid Genera of South-East Coast of Tamil Nadu	Carried out research sampling and data analysis
9.	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 south Tamil Nadu, India	Carried out research sampling and data analysis
10.	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	Carried out research sampling and data analysis
Department of Aquatic Environment Management					
11.	Ms. S. Subhashree Devasena (U-18-TN-03-002-M-F-009)	2021-22	Ph.D.	Efficiency assessment of bio-adsorbents prepared from fish scales in the treatment of municipal and seafood processing plant wastewater in Thoothukudi district	Detailed below
	<ul style="list-style-type: none"> In this study, fish scales were carbonized and used as bio-adsorbents in the treatment of pollutants in municipal effluent and seafood processing plant wastewater The adsorption efficiency of adsorbents was used to treat wastewater at different dosage levels, contact times and pH conditions. Electrostatic interactions help to adsorb anionic and cationic pollutants from wastewater The bio-adsorbents showed more than 70% reduction in the concentration of Biological Oxygen Demand (BOD) and Chemical Oxygen Demand (COD). Less than 20% reduction in nutrients concentration was observed The spent adsorbents can be used as manure for soil management. The utilization of adsorbents reduces solid waste pollution and water pollution 				
12.	P.Ramesh U-21-TN-03-002-D-F-002	2022 - 23	Ph.D.	Assessment of mangrove species diversity, distribution and cover estimation in Thoothukudi district, Tamilnadu	Detailed below
	<ul style="list-style-type: none"> This study was carried out to conduct pilot survey for ichthyofaunal assessment and physio-chemical parameters of soil and water along the study area. The pilot surveys were conducted in the selected coastal areas of Thoothukudi district such as Thoothukudi, Pazhayakalay and Punnakalay region for the collection of soil and water samples from selected mangrove. Soil and water samples were collected once in a month. The water quality parameters such as temperature, Salinity, pH, Dissolved Oxygen, Nitrite, Nitrate, Ammonia, Phosphate, Biological oxygen demand, Chemical oxygen demand and alkalinity were analyzed using standard procedure. The soil quality parameters such as pH and moisture were observed using standard procedure. Occurrence and abundance data for mangrove and fishes were collected for biodiversity assessment Creation of shape files for study area and downloading of Raster imagery from USGS 				

	Earth explorer were done				
	Department of Aquaculture				
13.	Chavadi Harini, U-17-TN-03-002-D-F-002	2015-16	Ph.D.	Studies on the maturation and spermatology of <i>Penaeus semisulcatus</i> brooders developed in captivity and cryopreservation of spermatophore	On-going
14.	Padala Dharmakar, U-18-TN-03-002-D-F-003	2018-19	Ph.D.	Assessment of solid-state fermented meals of cottonseed, sunflower seed and dried brewery waste on the growth and survival of Rohu (<i>Labeo rohita</i>) in nursery phase.	On-going
15.	Pankaj Gargotra, I-18-TN-03-002-M-F-010	2018-19	Ph.D.	Role of selected vitamins and minerals on the maturation and induced spawning of <i>Lepidocephalichthys thermalis</i> (Valenciennes, 1846)	Completed
16.	Raswin Geoffery, U-20-TN-03-002-D-F-001	2020-21	Ph.D.	Nutritional evaluation of black soldier fly larvae (<i>Hermetia illucens</i>) and water hyacinth (<i>Eichhornia crassipes</i>) as a replacement of fish meal in the diets of GIFT Tilapia	On-going
	Department of Fish Pathology and Health Management				
17.	P. Subash U-18-TN-03-003-M-F-005	2020-21	Ph.D.	Etiological analysis of white feces syndrome in <i>Penaeus vannamei</i> and its mitigation measures using phytochemical compounds	Detailed below
	<ul style="list-style-type: none"> Phytochemical compounds (<i>Phyllanthus amarus</i>, <i>Trachyspermum ammi</i>, <i>Allium sativum</i>) were procured and experimental diets were prepared. Healthy <i>P. vannamei</i> reared in the laboratory were transferred to appropriate experimental tanks and were fed with different concentrations of selected phytochemical compounds for 28 days. The healthy <i>P. vannamei</i> shrimps fed with feed containing varying concentrations of phytochemical compounds were challenged for WFS and the growth performance, host immune responses (THC, RBA, SOD, CAT and proPO), serum biochemical parameters (AST, ALT and ALP) and digestive enzymes (amylase, lipase and protease) were assessed at 5, 10 and 15 days post-infection and the data were analysed statistically The hepatopancreas of the challenged shrimps was preserved for histopathological examinations and digestive gene expression studies. A separate experiment has been carried out for the evaluation of the best concentration of the effective phytochemical compound from the first trial. Healthy shrimps challenged for WFS were treated with a varying range of concentrations of a phytochemical compound that has shown better efficacy in controlling WFS. A research article entitled "White feces syndrome in <i>Penaeus vannamei</i> is Potentially an Enterocytozoon hepatopenaei associated pathobiome origin of <i>Vibrio</i> spp" has been published in the "Journal of Invertebrate Pathology" 				
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
	<ul style="list-style-type: none"> Tissue samples were collected from both control and TiLV challenged group and 				

	<p>subjected to histopathology analysis.</p> <ul style="list-style-type: none"> Prepared manuscript regarding pathogenicity of TiLV in ornamental cichlid. Experimental challenge of pearl spot with TiLV was carried out by intraperitoneal injection. Experimentally challenged fishes were monitored for the presence of clinical pathology and mortality. Tissue samples were collected from experimentally infected pearl spot for histopathological analysis. Prepared and presented the Credit seminar on the topic of "Nanotechnology based Phototherapy in fish health management" on 15-04-2023. 				
	Department of Fishing Technology and Fisheries Engineering				
19.	T. Ravikumar	2018-19	Ph.D.	Investigations on the effect of hook size, hook shape and baits on the catching efficiency and selectivity of long lines along Gulf of Mannar coast	Detailed below
	<ul style="list-style-type: none"> Soft copy of thesis submitted on 04.01.2023 The external examiner Dr. N. A. Talwar, Faculty of Fishery Science, West Bengal University of Animal and Fishery Sciences, Chakgaria, West Bengal was conducted and the date of conduct of final viva voce of Mr. T. Ravikumar was fixed as 14.06.2023 on 24.05.2023. The final viva voce was conducted on 14.06.2023 				
20.	Karthy A U-20-TN-03-002-D-F-005	2020-21	Ph.D.	Utilization of underutilized marine bivalve resources for the development of artificial fish bait suitable for longline fishing	Detailed below
	<ul style="list-style-type: none"> The bio attractants were extracted from the sample collected from Mussels, Clams and Oysters The extracted bio attractants were incorporated with bait matrix at three different concentration such as 1%, 3% and 5% The incorporated bait was tested for their attract ability in the experimental glass tanks Physico- chemical properties of the prepared baits such as texture, functional group and amino acid composition were analyzed using UTM, FTIR and UPLC respectively Baits were prepared for testing performance of catch in commercial long line Writing of Introduction, Review of literature and material and methods were completed Sample was given for flavor analysis AFM analysis was done Research article from thesis has been completed and submitted for correction Review of literature was completed Artificial fish baits have been prepared and attract ability of fish bait in commercial long lines to be tested Writing of Result and discussion is under progress 				
21.	Amala shajeeva J 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
	<ul style="list-style-type: none"> Purchased materials such as PVC pipes, Nylon twine, PE webbing and Anchor for the construction and operation of experimental Serial collapsible crab trap Trap frames capable of standing erect in sea water were prepared adopting two different methods such as (i) FRP coating on PVC pipes having cement concrete 				

	<p>in the bottom side and (ii) Moulding of FRP frames with Thermocol on the upper side were attempted</p> <ul style="list-style-type: none"> • A Serial collapsible crab trap was fabricated using FRP coated PVC pipe frame • Literatures were collected • Tamil article on "Fuel conservation in fishing" was prepared • Experimental fishing trail was conducted at Ramanathapuram coast • Data were collected regarding length and weight of the crabs caught in experimental traps • Conducted Part A programme of IV semester on 19.05.2023 • Literatures were collected for research work and credit seminar • Writing of thesis introduction part is under progress • Steel frame making process was under progress 				
22.	Archana S U-21-TN-03-002-D-F-003	2021-22	Ph.D.	Investigation on deep sea fishing in selected fishing harbours	Detailed below
	<ul style="list-style-type: none"> • Finalized the structure of survey schedule through a pilot study Technical details of deep-sea fishing gears and crafts from the selected fishing harbours viz., Thengapattinam, Tharuvaikulam, Nagapattinam and Chennai were collected • Operational details of deep-sea fishing gears and crafts from the selected fishing harbours viz., Thengapattinam, Tharuvaikulam, Nagapattinam and Chennai were collected • Catch-effort data of deep-sea fishes that formed fishery in the deep-sea gillnets from the selected fishing harbours were collected and monthly CPUE estimated both on the basis of number and weight • Literatures were collected • Catch-effort data of deep-sea fishes that formed fishery in the deep-sea gillnets from the selected fishing harbours viz., Thengapattinam and Tharuvaikulam were collected and monthly CPUE estimated both on the basis of number and weight. • Conducted Part A programme of IV semester on 19.05.2023 • Collected the design, technical and operational details of long line from Thengapattinam fishing harbor • Catch details of tuna species caught from deep sea gill net were collected from the coast of Chennai and Nagapattinam 				
	Department of Fish Processing Technology				
23.	Sumit Kumar Verma I-18-TN-03-002-D-F-012	2018-19	Ph.D.	Microwave processing for drying, blanching and thawing of shrimp (<i>Metapenaeus obsonii</i>): Evaluation and quality characterization	Detailed below
	<ul style="list-style-type: none"> • Thesis submitted for external evaluation 				
24.	Sravani, K U-20-TN-03-002-D-F-006	2020-21	Ph.D.	Formulation of seaweed based edible table were and assessment of its physico-chemical, mechanical, bioactive properties and storage stability	Detailed below
	<ul style="list-style-type: none"> • Gracilaria edulis and Ulva lactuca plates and cups storage study were performed and analyzed the quality parameters. • Thesis writing 				
25.	Deepika.B 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	Detailed below

				fortified cosmeceutical and confectionery products	
	<ul style="list-style-type: none"> Extracted agar from <i>Hypnea panosa</i> by the conventional method, Ultra sound assisted extraction and microwave assisted extraction method Extracted carrageenan from <i>Hypnea panosa</i> by the conventional method. The soap and cream storage studies were examined 				
	Department of Fisheries Extension, Economics and Statistics				
26.	Mrs. Deepthi Ande	2020-21	Ph.D.	A critical analysis on the Attitude of shrimp farmers towards private extension services in Andhra Pradesh	Detailed below
	<ul style="list-style-type: none"> Awaiting for viva-voce 				
27.	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	<ul style="list-style-type: none"> Part B Evaluation programme for V semester has been conducted Finalized Part –A programme for VI semester Corrected research article for publication in research journal Survey is under progress
28.	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	<ul style="list-style-type: none"> Data analysis and Paper write - up is in progress Attended Part A on 02.05.2023
29.	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	<ul style="list-style-type: none"> Data analysis and survey is in progress Attended Part A & B
30.	Mr. P. Sreenivasan (CIFE student)	2021-2022	Ph.D.	Dry Fish Processors in Tamil Nadu: Marketing Functions and Economic Assessment	<ul style="list-style-type: none"> Guided in designing the survey schedule

M.F.Sc.: 27 Nos.

	Department of Fisheries Resource and Management				
1.	M.S. Shamini U-17-TN-03-003-B-F-047	2021-22	M.F.Sc.	Assessment of shellfish by catch of trawl net fishery of the coast of Kanyakumari, South India	Research sampling is on going
	Department of Aquaculture				
2.	Bhenkatesh Padhan, I-20-TN-03-002-M-F-009	2020-21	M.F.Sc.	Biofloc meal as a supplementary feed ingredient replacing fish meal in the diets of rohu (<i>Labeo rohita</i>) (Hamilton, 1822)	Completed
3.	S. Mithun Kumar, U-16-TN-03-002-B-F-064	2020-21	M.F.Sc.	Effect of silkworm pupae meal on the growth performance of silver pompano	Completed
4.	U. Prasanna, U-16-TN-02-003-B-F-072	2020-21	M.F.Sc.	Effect of dietary Supplementation of selenium and manganese on the feed utilization and enzyme profile in <i>Penaeus vannamei</i>	Completed
5.	M. Sivakumar, U-16-TN-02-003-B-F-080	2020-21	M.F.Sc.	Effect of dietary organic acids and organic acid blend (OAB) on the growth performance and immunity of juvenile 3Pacific white shrimp, <i>Penaeus vannamei</i> , (Boon,1931) reared in lined ponds	Completed
6.	A.Velmurugan, U-20-TN-03-002-M-F-003	2020-21	M.F.Sc.	Effect of pH and Temperature on the captive breeding of Indian spiny loach (<i>Lepidocephalichthys thermalis</i> , Valenciennes, 1846)	On-going
7.	P. Kishoba U-21-TN-03-002-M-F-001	2021-22	M.F.Sc.	Spawning substrate and water velocity preference of <i>Lepidocephalichthys thermalis</i> for growth and gonadal maturation in captivity	On-going

8.	Abarna, R U-17-TN-03-002-B-F-041	2021-22	M.F.Sc.	Evaluation of growth performances of banana albino lemon cichlid <i>Labidochromis caeruleus</i> (Fryer, 1956) under periphyton community rearing	On-going
Department of Aquatic Environment Management					
9.	Mr.Rishikesh Venkatrao Kadam (I-21-TN-03-002-M-F-005)	2021-22	M.F.Sc.	Bioprospecting selected marine microalgae for production of Polyunsaturated fatty acid (PUFA's) from Gulf of Mannar coastal waters	
	<ul style="list-style-type: none">Live microalgal samples was collected from Tharuvaikulam coastal waters and isolation of PUFA rich microalgae species <i>Chlorella</i> sp., and <i>Cylindrotheca fusiformis</i> has been done using serial dilution/plating techniqueThe isolated species were morphologically confirmed by SEM-EDAX and molecular level by PCR amplification sequence analysis of 18s RNAThe growth conditions of the isolated species were optimized and obtained the maximum biomass of 1.99 gm/L, 1.42 gm/L for <i>Chlorella</i> sp and <i>Cylindrotheca fusiformis</i> respectively.About 21 fatty acids were detected using Gas chromatography (GC) in the selected feedstockThe highest eicosapentaenoic acid (EPA) of 24% was obtained at 50% nitrogen starvation level for <i>Chlorella</i> sp., with 35% of total Polyunsaturated fatty acidsSimilarly, the highest EPA of 32% was obtained at 40% nitrogen starvation level for <i>Cylindrotheca fusiformis</i> with 41% of total Polyunsaturated Fatty Acids.				
Department of Fish Pathology and Health Management					
10.	Narsale Swapnil Ananda U-17-MH-03-002-B-F-023	2021-22	M.F.Sc.	Virulence and Antimicrobial Resistance genes in <i>Vibrio parahaemolyticus</i> from shrimp farms of selected districts of Tamil Nadu in relation to Acute hepatopancreatic necrosis disease (AHPND)	Detailed below
	<ul style="list-style-type: none">23 Samples were collected from the Nagapattinam (9), Cuddalore (5) and Pudukottai (9) shrimp farms.47 bacterial isolates have been prepared from collected shrimp samples that show green colonies on TCBS agar and investigated for further analysis.Biochemical tests for confirmation of <i>Vibrio parahaemolyticus</i> have been carried out for all bacterial isolates.Bacterial isolates were reconfirmed for <i>Vibrio parahaemolyticus</i> by molecular diagnosis.14 bacterial isolates confirmed as <i>Vibrio parahaemolyticus</i> by PCR method.All confirmed 32 <i>V. parahaemolyticus</i> isolates were screened for AHPND using AP4 Primer, and all were found negative.All confirmed 32 <i>V. parahaemolyticus</i> isolates were screened for virulence gene <i>tdh</i>,				

	<p><i>trh</i>, T3SS1, T3SS2β and found two isolates were positive.</p> <ul style="list-style-type: none"> Out of 32 isolates, all isolates found positive for T3SS1, 2 isolates found positive for <i>tdh</i>, 11 isolates found positive for <i>trh</i>, 29 isolates found positive for T3SS1 and all isolates found negative for T3SS2β. All confirmed <i>V. parahaemolyticus</i> isolates were also screened for AMR genes such as Tetracycline (<i>tetA</i>) and Aminoglycosides (<i>aac3</i>) by PCR 				
11.	P.Kaviyarasu U-17-TN-03-003-B-F-024	2021-22	M.F.Sc.	Assessment of immunostimulatory potential of seaweed extract against Tilapia Lake virus	Detailed below
	<ul style="list-style-type: none"> Experimental diets with seaweed extracts of <i>Ulva</i> sp., <i>Enteromorpha compresses</i> and <i>Sargassum ilicifolium</i> were prepared at different concentrations. Tilapia juveniles were procured and acclimatized to laboratory condition to conduct the experimental study with seaweed extracts against TiLV. Tilapia fishes were fed with prepared experimental diets for 28 days. After 28 days, tilapia fishes were experimentally challenged with TiLV. Blood samples were collected from fishes at 24, 48, 72hpi and analyzed Haematological parameters. Tissues samples were collected at different time points for analysing gene expression profiles 				
12.	M. M. Priyadharshini U-17-TN-03-003-B-F-039	2021-22	M.F.Sc	Assessment of infectivity and immune gene expression in cultivable freshwater fishes challenged with <i>Rhabdovirus</i>	
	<ul style="list-style-type: none"> Fish samples collected from Erode, Trichy, Thoothukudi and Madurai district were screened for the presence of rhabdovirus using cell culture and RT PCR techniques. Presented credit seminar on the topic of "Artificial intelligence to manage biosecurity risks for aquatic animal health" on 20.04.2023. Experimentally challenge with rhabdovirus was conducted using Grass carp Tissues samples was collected for histopathological analysis. Histopathological analysis of tissues collected from experimentally challenged fish (Tilapia and Grass carp) was carried out. Snakehead fish were procured and maintained for gene expression study. 				
	Department of Fishing Technology and Fisheries Engineering				
13.	Sundareswari D U-21-TN-03-002-M-F-007	2021-22	M.F.Sc.	Investigations on the small meshed gill net fishery and gill net selectivity of flying fishes caught along Nagapattinam coast	Detailed below:
	<ul style="list-style-type: none"> Collected data on technical details of oil sardine, lesser sardine and flying fish gill nets from three different fishing villages of Nagapattinam (Nambiar Nagar, Akkarai Pettai and Vella pallam) Collected length frequency data of two species of flying fishes from gill net with three different mesh size of 31 mm, 32mm and 42 mm Presented filed level data collection on Oil Sardines, Lesser Sardines and flying fishes collected from Nagapattinam District to the Chairman of Advisory committee Collected data on technical details of oil sardine, lesser sardine and flying fish gill nets from three different fishing villages of Nagapattinam (Nambiar Nagar, Akkarai Pettai and Vella pallam) Collected length frequency data of two species of flying fishes from gill net with three different mesh size of 31 mm, 32mm and 42 mm Conducted Part B programme of III Semester and Part A programme of IV semester on 19.05.2023. 				

	<ul style="list-style-type: none"> Length frequency data for three flying fish species from Nagapattinam coast were collected Catch details of sardines and flying fish were collected 				
14.	Manjunathan. M U-20-TN-03-002-M-F-007	2020-21	M.F.Sc.	Evolving of improved trolling line gear for Kombudurai fishing village Thoothukudi, Tamil Nadu	Detailed below
	<ul style="list-style-type: none"> Works done for the month Soft bound copy of the Thesis submitted on 24.11.2022 Convened the advisory committee meeting of the student to conduct Final Viva-Voce on 10.02.2023 between 2.30pm and 3.30pm 				
	Department of Fish Quality Assurance and Management				
15.	Hariharan.T U-21-TN-03-002-M-F-004	2021-22	M.F.Sc.	Comparative evaluation of quality characteristics of pond and biofloc with pond reared tilapia	Sequencing of isolated microbes
16.	Krishnakumar. S U-18-TN-03-003-B-F-026	2022-23	M.F.Sc.	--	pursuing
17.	S.V. Ragul U-18-TN-03-002-B-F-035	2022-23	M.F.Sc.	--	-do-
18.	Rajakumari. R U-18-TN-03-002-B-F-036	2022-23	M.F.Sc.	--	-do-
19.	Arivukkarasi. G U-22-TN-03-002-M-F-002	2022-23	M.F.Sc.	--	-do-
	Department of Fisheries Extension, Economics and Statistics				
20.	Vaineshwari, P U-17-TN-03-002-B-F-096	2021-22	M.F.Sc.	Assessment of Potential of Freshwater IMTA model (FIMTA) for crop diversity at Mini Reservoir of Fisheries College & Research Institute, Thoothukudi	<ul style="list-style-type: none"> Attended Part B on 26.04.2023 Attended Credit Seminar on 29.04.2023 Attended Part A for IV semester on 16.05.2023
21.	Ms. P. N. Aishwarya		M.F.Sc.	A study on Public-Private Partnership ventures in Fisheries sector of Tamil Nadu	<ul style="list-style-type: none"> The student prepared the research proposal and presented in SRGW on 27.04.23 Research

					proposal prepared and submitted for approval
22.	Ms.S. Vivitha		M.F.Sc.	Assessment of knowledge, attitude and perception of fishermen on marine fisheries management and conservation in selected coastal districts of Tamil Nadu	<ul style="list-style-type: none"> The student prepared the research proposal and presented in SRGW on 27.04.23 Research proposal prepared and submitted for approval
23.	Ms. Swathi, S.		M.F.Sc.	An analysis on the prospects, issues and challenges of deep sea fishermen in Kanyakumari district, Tamil Nadu	<ul style="list-style-type: none"> The student prepared the research proposal and presented in SRGW on 27.04.23 Research proposal prepared and submitted for approval
24.	Ms. Swati Kachhap (U-18-TN-03-002-M-F-025)	2021-22	M.F.Sc.	Impact of fisheries schemes on socio-economic status of fishers' livelihood in selected districts of Jharkhand	Detailed below
	<ul style="list-style-type: none"> The student presented the Credit seminar on "Consumption behaviour of fishes in Inland states of India with special reference to Jharkhand" on 15.04.2023 Conducted Part B for III semester on 28.04.2023 Data entry was carried out and analysis was completed Conducted Part A for IV semester on 17.05.2023 Research paper writing and correction was carried out 				
25.	Ms. Jaya Prabha S	2022-23	M.F.Sc.	Gender impact assessment and entrepreneurship development among the fish workers in Cuddalore and Mayiladuthurai districts of Tamil Nadu	<ul style="list-style-type: none"> The student presented the research proposal in SRGW on 27.04.2023 Course work and research proposals was submitted to ETC for approval on
26.	Mr. Thayala Arjun G.	2022-23	M.F.Sc.	Assessment of Labour Productivity and Livelihood Capitals of Maritime Labours in Ramanathapuram and	

				Thoothukudi Districts of Tamil Nadu	28.06.2023
27.	Ms.Koshalya Rohidas (I-21-TN-03-002-M-F-006	2021-22	M.F.Sc.	Development of Extension strategies on Freshwater aquaculture technologies in Khurdha district of Odisha	Temporarily discontinued the course to avail the state Govt. job at Fisheries department, Odisha

B.F.Sc.

1.	UG students (2019-20 batch) for 15 days	UG	Culture and growth assessment of microalgae in various conditions (<i>Nannochloropsis</i>)	Mini research project for UG (other than PG research)
2.	UG students (2019-20 batch) for 15 days	UG	Analysis of water quality parameter and plankton diversity along Thoothukudi coast	Mini research project for UG (other than PG research)

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

Sl. No.	Degree	Name and ID. No. of the scholar	Title of the research	Works done for the month	Name of the Chairman
1.	M.F.Sc	Mahalakshmi.S U-21-TN-03-003-M-F-003 Third semester 2021-2022 batch	Studies on the effect of biofloc on growth performance, coloration and disease resistance in the peacock cichlid <i>Aulonocara</i> sp (Regan, 1922)	Analysis of water quality parameters Analysis of floc parameters. 15 th day growth Sampling conducted	Dr. Cheryl antony
2.	M.F.Sc	M.Kavitha Third Semester 2021-2022 batch	Effect of Biofloc on the growth, survival and colour enhancement in larval rearing of Koi carp at different stocking densities	Standardization of biofloc production in rearing systems Rearing trials of koi carp larvae initiated	Dr. K. Ravaneswaran
3.	M.F.Sc	S.HARINI Third Semester Third Semester 2021-2022 batch	Evaluation of <i>Terminalia catappa</i> leaves extract as an	Rearing trials and analyses are in progress	Dr. K. Ravaneswaran

			rearing medium for breeding and larviculture in silver zebra angel fish (<i>Pterophyllum scalare</i>)		
4.	M.F.Sc	S.Dhinakaran U-21-TN-03-003-MF-001	Effects of Black soldier fly supplementation on feed intake, growth and meat quality of Climbing perch (<i>Anabas testudineus bloch, 1792</i>)	Sampling of experimental animals and water quality parameters done at 15 th day of experiment on 13.03.2023. The highest weight gain of 3g in treatment 2 at BSF 40% replacement with specific growth rate of 3.53%	Dr. S.Ananad
5.	M.F.Sc AEM	Ashik ahamed	Biomagnification of heavy metal lead, along the aquatic food chain	Advised on research work - objective 1	Mrs.S.Aruna
6.	M.F.Sc AEM	P. Gobi	Study on effect of phytohormones and nitrogen limitation of growth and nutrients profile of Nanochloropsis	Nanochloropsis growth trial with phytohormoneis going on	Mrs.S.Aruna
7.	M.F.Sc (DAAHM)	Srinath	Surveillance and screening of bacterial and viral diseases in ornamental fishes of Kolathur, Tamil Nadu and development of diseases treatment protocols.	<ul style="list-style-type: none"> • Sampling for disease diagnosis in Kolathur • Bacterial isolation , PCR confirmation, sequencing • Collection, preparation of plants for extract preparation 	Dr. A. Uma
8.	M.F.Sc (DAAHM)	Lisha Krishnan (I year / II Sem)	Isolation, identification	<ul style="list-style-type: none"> • Biofloc maintenance 	Dr. A. Uma

			and characterization of probiotic bacteria from biofloc fish culture system and their role in the disease resistance and immunity in <i>Etroplus suratensis</i>	<ul style="list-style-type: none"> – water quality analysis, floc parameters analysis • Probiotic - biochemical characterization and Bacterial revival • Invitro characterization of bacterial isolates 	
9.	MFSc DFPT	Mr. G.Elavarasan	Development of bio-nanocomposite film from gelatin/cellulose blend reinforced with ZnO	<ol style="list-style-type: none"> 1. Standardization of the extraction method for cellulose from water hyacinth 2. haracterization of extracted cellulose 3. Development of films from gelatin and extracted cellulose 	Dr. N. Muralidharan
10.	MFSc DFPT	Mangaiyarkarasi	Development of bio-nanocomposite film from gelatin/cellulose blend reinforced with ZnO	Nutritional evaluation of developed ice - cream	Mrs. Nimish Mol Stephen
11.	Ph.D	A.Jackquelin wino I.D.No. U-18-TN-03-003-M-F-002 DOR 11.07.2022 Fourth semester	Effect of dietary supplementatio n of biofloc powder on growth, digestive enzyme activity and disease resistance of <i>Penaeus vannamei</i> in Recirculatory Aquaculture System (RAS)	Ex-situ biofloc experimental trial is in progress	Dr.B.Ahilan
12.	Ph.D	M. JOSHNA U-19-TN-03-003-	Studies on the polyculture of	Place of research shifted to PRFF,	Dr.B.Ahilan

		M-F-001 (AQC) Third Semester	GIFT- <i>Penaeus vannamei</i> in raceway and lined pond using biofloc technology	Pulicat and biofloc production has been initiated	
13.	Ph.D.	Priyatharshni.A U-20-TN-03-003-D-F-003 DOR 11.07.2022 Fourth semester	Studies on seaweed supplemented diets on growth performance, digestibility, immune and stress responses in GIFT (<i>Oreochromis niloticus</i>)	The feeding experimental trials have been completed and the analyses are being carried out.	Dr. Cheryl antony
14.	Ph.D.	Ajidhaslin.S U-21-TN-03-003-D-F-001 DOR 14.12.2022	Optimization of inclusion of vegetable protein ingredients in feed formulations of snakehead fish, <i>Channa striata</i> (Bloch, 1793).	Final sampling of in progress. Samples have been sent for histology and real time PCR studies	Dr. Cheryl antony
15.	Ph.D (DAAHM)	P. Philominal U-20-TN-03-003-D-F-004	Influence of selected natural and synthetic immunomodulators on the growth, disease resistance and immune responses in Asian seabass, <i>Lates calcarifer</i>	<ul style="list-style-type: none"> • Data analysis - Gene expression and Haematology • Article and thesis writing 	Dr. A. Uma
16.	Ph.D (DAAHM)	Manimozhi. E	Metagenomic analysis of gut microbiome in pearl spot, <i>Etroplus suratensis</i> fed with probiotic and its dynamics during challenge with a bacterial pathogen	<ul style="list-style-type: none"> • Sampling in pulicat lake for pearl spot • Biochemical characterization, molecular confirmation of the collected isolates and sequencing • Subculture of the isolates • Cell culture training 	Dr. A. Uma

17.	Ph.D (DAAHM)	Pon Srinivasan	Development and standardization of rapid diagnostics kits for detection of Tilapia Lake Virus (TiLV) infecting Tilapia	<ul style="list-style-type: none"> • Sampling was done in Krishnagiri dam lake for screening of TiLV • Subcultured the available bacteria and confirmed by 16s PCR, sequencing 	Dr. A. Uma
18.	Ph.D DAEM	C. Rajeshwari U-19-TN-03-003-D-F-001	An evaluation of fish waste and seaweed liquid as an Organic combo for micro algal cultivation and carbon sequestration	Correction done for Materials and methods and guided her in algal maintenance	Dr. D.Manikandavelu
19.	Ph.D	Ms. K. Sinduja	Biosuccession of planktonic and benthic communities in Artificial reef structure at coastal region of Pulicat	Advised on Research work	Dr. D.Manikandavelu

(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 and status
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	1. A total of 18 species of snappers were recorded from Nagapattinam coast 2. Reproductive biology were conducted for <i>Lutjanus fulviflamma</i> and <i>L. quinquelineatus</i> 3. Population characteristics for two species of lutjanids namely; <i>Lutjanus fulviflamma</i> and <i>L. quinquelineatus</i> were in progress

(iv) Institute of Fisheries Postgraduate Studies, Vaniyanchavadi, Chennai

Sl.No.	Name of the Research Scholar and ID.No. of the scholar	Batch	Degree	Title of Research	Research findings and status
1	Ms. Rabika.R I-21-TN-03-007-M-F-002 Chairman – Dr. Ambika Binesh	2021-22	M.F.Sc	Cardio protective effect of the Seaweed <i>Kappaphycusalvarezii</i> : Attenuation of inflammatory mediators	Pursuing
2	Ms. A. Jayasurya U-21-TN-03-007-M-F-001 (FBT) Chairman: Dr.S.Prakash	2021-2022	M.F.Sc	Biofabrication of Zinc (Zn), and Manganese (Mn) nanoparticles from seagrass species: Toxicity evaluation, growth enhancement and immune gene expression in <i>Penaeus vannamei</i>	Synthesis of NPs from seagrass samples. Antimicrobial, antibiofilm inhibition with different test concentration of NPS
3	Mrs.R.Ramya U-20-TN-03-007-D-F-003 Chairman: Dr.S.A.Shanmugam	2020-21	Ph.d	Enhancement of PUFA and identification of bioactive compounds in the selected marine microalgae	Pursuing
4	Mr. Modi Kiran Piyshbhai U-18-TN-03-007-M-F-001 Chairman – Dr. V. Kaliyamurthi	21-22	Ph.d	Investigation of cardioprotective effects of multi-targeting compounds in lipopolysaccharide stimulated zebrafish model via Notch signalling pathway.	Pursuing
5	Mrs. Sonalishmita Mahapatra U-18-TN-03-007-M-F-003 (FBT) Chairman: Dr.S.Prakash	2021-2022	Ph.d	Effect of Ulvan mediated mono, and bimetallic Silver, Zinc and Selenium nanoparticles on growth and immune gene expression in <i>Channa striata</i> (Bloch, 1793)	Separation of Ulvan polysaccharides from green seaweeds. Partial purification of Ulvan and their biosynthesis of Zinc nanoparticles
6	Mr. Rahul Jaiswal Ramsree U-18-TN-03-007-M-F-008	2021-22	Ph.d	Assessing the toxic effects, haemato-biochemical, hisopathological	Pursuing

	Chairwoman: Dr.A.Uma			responses and gene expressionin aquatic models exposed to microplastics	
7	Dr. Jemila Thangarani 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, Oreochromis niloticus and Pangasius catfish, <i>pangasius</i>	Pursuing
8	Mr. 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 of Thamirabarani riverine system for Conservation management	Pursuing

14.Citation index of faculty members and impact factor

(i) Fisheries College & Research Institute, Thoothukudi

Sl. No.	Name of the faculty	h-index	i10 - index	Citations (Present)	Research Gate score
1	Dr.S.Athithan	-	-	-	-
2	Dr. C. Judith Betsy	6	2	90	-
3	Mr. A. AnixVivekSanthiya	3	3	77	-
4	Dr.P.Padmavathy	11	13	412	111.7
5	Dr.V.Rani	5	3	123	7.63
6	Dr.D.Manimekalai	3	3	24	45
8	Dr.N.V.Sujathkumar	2	0	15	-
9	Dr.R.Santhakumar	2	0	27	40.4
10	Dr. T. Umamaheswari	3	0	38	70.2
11	Dr. B. Manikandan	2	-	4	11.2
12	Ms. V. Gomathy	-	-	-	6.9
13	Dr. N. Jayakumar	8	5	187	385.6
14	Mr. R. Durairaja	3	0	17	35.8
15	Mr. C. Sudhan	6	4	111	332.4
16	Dr. B. Chrisolite	5	3	142	--
17	Dr. P. Sivasankar	4	3	84	37.6

18	Dr. P. Ganesan	4	2	67	42
19	Mr. M.Muruganantham	2	-	8	12.2
20	Dr.B. Sivaraman	9	9	238	22.86
21	Dr. R. Shalini	11	12	397	18.09
22	Dr. F. Parthiban	5	3	55	54
23	Dr. U. Arisekar	10	10	336	194.4
24	Dr.N.Neethiselvan	8	5	733	5.18
25	Th. T. Ravikumar	4	2	69	7.19
26	Th. S. Mariappan	3	0	15	1.70

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

Name of the Faculty	h-index	i10 index	Citations (past 5 years)	Citations (overall)
Dr. R. Jeya Shakila	29	74	1870	3025
Dr. Cheryl Antony	5	1	95	100
Dr. S. Selvaraj	19	23	561	879
Dr.M. Menaga	5	2	124	126
Dr. V. Ezhilarasi	1	0	3	3
Dr. Mahadevi	2	0	11	11
Mr. P. Pavinkumar	4	2	33	41
Mr. K. Karuppasamy	3	-	32	32
Dr.A.Uma	12	15	370	619
Dr. S. Saravanan	3	0	23	24
Dr. D. Kaviarasu	3	1	20	20
Dr. D. Manikandavelu	4	-	9	44
Mrs.S. Aruna	3	-	12	16
Mrs.B.R.Sona	1	-	3	3
Mrs. Nimish Mol Stephen	6	5	390	561
Dr. N. Muralidharan	14	17	638	935
Dr. K. Masilan	5	3	70	70
Mr.R.Velmurugan	3	-	24	24
Mr.D.Arun Jenish	1	-	3	3
Mrs.S.Agnes Daney Angela	1	-	3	3
Dr. Lloyd Chrispin	5	3	73	81
Dr.L.Surulivel	-	-	2	-

(iii) College of Fisheries Engineering, Nagapattinam

S. No.	Name of the Faculty	h-index	i10 index	Citations (past 5 years)	Citations (overall)	Research gate Score
1.	Dr. N. Manimehalai	5	3	40	77	96

2.	Dr. Mohammad Tanveer	5	2	45	48	156.9
3.	Dr.M.Kamalakaran	2	0	13	14	
4.	T.L.S. Samuel Moses	3	0	18	27	30.2
5.	Er.R.Rengarajan	2	1	38	38	02
6.	Er.C.Mercy Amrita	2	1	28	28	58.5
7.	Dr. P. Karthickumar	7	5	83	93	199.6
8.	Dr.D.Kesavan	21	38	1942	1267	984
9.	Dr. M.Ramar	5	2	39	59	62.7
10.	Er.S.Monikandon	2	0	18	18	44.4
11.	Er. D. Babiyola	2	0	9	9	8.8

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

Sl.No.	Name of the faculty	h-index	i10 – index	Citations (Present)	Research Gate score
1.	Dr. S. Balasundari Dean	4	4	78	NA
2.	Dr. J. Jaculine Pereira Assistant Professor and Head	3	-	25	NA
3.	Dr.S. Santhoshkumar Assistant Professor & Head	4	3	48	NA
4.	Dr. V. Alamelu Assistant Professor & Head	4	3	47	NA
5.	Mrs. Vimaladevi Assistant Professor	1	1	16	NA
6.	Mr. V. Vijayarahavan Assistant Professor	2	0	11	NA
7.	Dr. A. Subburaj Assistant Professor	5	4	95	NA
8.	Dr.P. Elakkanai Assistant Professor	2	1	31	NA
9.	Dr. M. Menaga Assistant Professor	1	1	28	NA
10.	Mrs. M. MuthuAbishag Assistant Professor	2	0	50	NA
11.	Dr. S. Deepika Assistant Professor	2	0	6	NA
12.	Mr.V.Durai Assistant Professor	2	1	33	NA
13.	Mr. P. Yuvarajan Assistant Professor	2	0	18	NA
14.	Mr. S. Kesavan	2	2	48	NA

	Assistant Professor				
15	Mrs. S.J Abisha Juliet Mary Assistant Professor	1		3	NA
16.	Mr. M. Mohammed Faizullah Assistant Professor(C)	4	1	49	NA
17.	Dr. M. Petchimuthu Assistant Professor (C)	2	1	22	NA
18.	Dr. R. Palani Assistant Professor (C)	2	1	18	NA
19.	Mr. P. Praveenkumar Assistant Professor (C)	1	0	3	NA
20.	Mr. S. Sudarshan Assistant Professor (C)	1	0	3	NA
22.	Ms. G. FerolinJessina Assistant Professor (C)	-	-	-	NA
23.	Ms. M. Keerthika Assistant Professor (C)	3	1	20	NA
24.	Ms. Hermon Jisha R.H Assistant Professor (C)	-	-	-	-

(v) Institute of Fisheries Postgraduate Studies, Vaniyanchavadi, Chennai

Sl.No.	Name of the faculty	h-index	i10 - index	Citations (Present)	Research Gate score
1.	Dr. E. Suresh	7	5	109	-
2.	Dr. V. Kaliyamurthi	9	9	1106	-
3.	Dr. Jemila Thangarani	6	1	79	-
4.	Dr. Ambika Binesh	5	4	118	-
5.	Dr. S. Prakash	16	26	1129	-
6.	Dr. Amit Ranjan	11	11	299	-
7.	Dr. Deepak Agarwal	7	5	145	-

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

(i) Fisheries College & Research Institute, Thoothukudi

Sl. No.	Internal resources generated	Honors/Awards	National / International
1.	Mr. C. Sudhan, AP, DFBRM, TNJFU-FCRI, Thoothukudi	Elsevier Reviewer	International
2.	Mr. C. Sudhan, AP, DFBRM, TNJFU-FCRI, Thoothukudi	CSIR-Reviewer	National
3.	Dr. U. Arisekar	Prof. K.H Alikunhi Gold Medal for Best Ph.D. Thesis Award – 2023 Certificate and Medal	National

16.Internal resources generated :

(i) Fisheries College & Research Institute, Thoothukudi

Sl. No.	Internal resources generated	Amount (Rs.)
1	Tuition Fees	366000
2	Exam Fees	298000
3	Sale of Inputs	0

4	Samples Testing	0
5	Training	12000
6	Building Rent	0
7	Sale of Tender	1062
8	Library Outcomes (Book fine)	2920
9	Other Fees	0
10	Vehicle Hire Charges	11750
11	Lab Services	18130
12	Training & Bench Fees	110000
	Total	819862

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

Sl.No.	Internal resources generated	Amount in Rs.
1.	Examination Fees	8500
2.	ARFF Receipt	570
3.	PRFF Receipt	910
4.	DAQ Farm Receipt	2250
5.	Sale of Tender	4200
6.	Student Xerox/ Print	7538
7.	Building Rent	36580
8.	Vehicle hire charges	8185
9.	Quarters Rent	43053
10.	Water Charges	1250
11.	Guest House accommodation	7000
12.	Study materials	3600
13.	Bonafide	1750
14.	Receipts By Fish processing	2215
15.	TC & CC Charges	500
16.	Pond lease amount	49500
17.	water Sample analysis	2750
	Total	180351

(iii) College of Fisheries Engineering, Nagapattinam

Sl.No.	Internal resources generated	Rs.
1.	Revenue generated	
	Fisheries Engineering	142169
	EEE self supporting fees	231000
	Total	373169

(iv) Institute of Fisheries Postgraduate Studies, Vaniyanchavadi, Chennai

Sl.No.	Internal Resource generated
1	Rs.5,600/- revenue has been generated through analysis of sample from wet lab

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

(i) Fisheries College & Research Institute, Thoothukudi

Name of the college	Assistance / recognition under SAP, COSIST (ASSIST)/DST, FIST, ICAR-NAE / CoE and other programmes	Amount	Remarks
Fisheries College and Research Institute, Thoothukudi	ICAR DG 2023-24	--	--

18.Community services

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

(iii) College of Fisheries Engineering, Nagapattinam

Name & address of Community services	Contact No.	Details of Services	Remarks
Higher secondary School completed students of Tamil Nau and Karaikal	9942312650 Mr. Karthikaideepan, Event organizer, AIR- FM, Karaikal	ஏணிப்படிகள்- உயர்கல்விக்கான வழிகாட்டும் தொடர் – மீன்வள பொறியியல் மற்றும் ஆற்றல் மற்றும் சுற்றுசூழல் பொறியியல் படிப்பும் வேலைவாய்ப்புகளும் recorded and telecasted by AIR – Karaikal FM radio	Interview on 06.06.2023
Muttam and Uthamasolapuram Village Nagapattinam	8523950575 Muttam President	School campus, temple in the UBA adopted villages (muttam and Uthamasolapuram) was carried out	27.03.2023-02.04.2023
Higher Secondary School students, GHSS, Muttam, Nagapattinam	Mrs. Vallidevi Assistant Head master, GHSS, Muttam, Nagapattinam	TNJFU foundation day lecture on "Fisheries education and its opportunities" was delivered and awareness was created among the higher secondary school students	19.06.2023
20 SHG members Anbalaya Fish Producer Organisation Thondi, Ramanathapuram	9442675900	One day Skill Development Training Program on Seaweed value addition. Demonstration to produce seaweed-based value-added products such as cakes, biscuits, pasta, and noodles was done	22.06.2023

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

Name & address of Community services	Contact No.	Details of Services	Remarks
Mr. Sundar	9894520519	Plant layout and budget estimation for slurry Ice preparation	-
Karthika K Pillaiyar koil street, Prinjumulai, Thalainayeru, Nagapattinam	9047522559	Regarding the seaweed-based products preparation and its marketing.	-
Mr. Rajendrakumar, R.K. Algae Project Centre, Thoonithurai, Mandapam.	6379515399	Provided advice on culture of microalgae and its commercial applications for business opportunities	-
Sundareswaran. R Madurai	9894520519	Guidance regarding implementation of "slurry ice fish processing plant".	-

19. Teachers and officers newly recruited :**(ii) Dr. M. G. R. Fisheries College & Research Institute, Ponneri**

Sl.No.	College	Name of the Teachers	Name of the Officers	Recruited Date
1.	Dr. MGR Fisheries College	Dr. M. Menaga, Assistant Professor	Aquaculture	19-05-2023 (Transferred from Thalaigyauru)

20. Teaching – Non-teaching staff ratio**(i) Fisheries College & Research Institute, Thoothukudi**

Sl. No.	College	Teaching – Non-teaching staff ratio (E.g. 10:50)
1.	FC&RI, Thoothukudi	43:113

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

Sl. No.	College	Teaching – Non-teaching staff ratio (E.g. 10:50)
1.	Dr. M.G.R. FC&RI, Ponneri	23:25

(iii) College of Fisheries Engineering, Nagapattinam

Sl.No.	College	Teaching – Non-teaching staff ratio (E.g. 10:50)			
1.	College of Fisheries Engineering, Nagapattinam	Teaching		12	
		Teaching (Contractual)		2	
		Non-teaching (Dean office)		4	
		Non-teaching(Contractual-Dean office)		6	

		Non-teaching (Contractual-Lab Assistants and lab technicians)	11
		Ratio	14:21

(iv) 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	24 : 55

(v) Institute of Fisheries Biotechnology, Vaniyanchavadi, Chennai

Sl.No.	College	Teaching – Non-teaching staff ratio (E.g. 10:50)
		3:10

(vi) Institute of Fisheries Postgraduate Studies, Vaniyanchavadi, Chennai

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

21.Improvements in the library services

(i) Fisheries College & Research Institute, Thoothukudi

Sl. No.	Improvements in the library services
1.	Library provides E-journals and E-books. Students are using the E-books and E-journals (soft copy) in the library.
2.	Contributions from faculty on special days for sponsored books to the library Nineteen books have been sponsored (motivational / inspiring books) in English and Tamil
3.	Additional Wi-Fi Device installed for 24/7 Wi-Fi connectivity to the students for accessing E Journals

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

Sl.No.	Improvements in the library services
1.	Important useful links has been added to the University website through library. (I) E-Resources - 12 (II) Bibliographic Databases – 03 (III) Other Resources – 08 (IV) E-Learning –14 (V) Research Tools - 05 (VI) Fishery Institutions in India - 20

(iii) Institute of Fisheries Biotechnology, Vaniyanchavadi, Chennai

Sl.No.	Improvements in the library services
12	12 new books have been added to the library for the benefit of B.Tech. (Biotechnology) 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.	New books have been purchased	7	Rs.34,481/-

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	Coordinators	Student feedback submitted – UG 2022 - 2023

(ii) College of Fisheries Engineering, Nagapattinam

Sl.No.	Name of the course	Action taken
1.	II semester courses of B.Tech.(FE) and B.Tech.(EEE)	The year co-ordinator was informed to get feedback 1 from the student as they have completed 70 th working days and instructed to ensure 100 percent feedback by the students.

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

Sl.No.	Name of the course	Action taken
I Semester (2022-23 Batch)		
1	FS-110 Freshwater Aquaculture	Feedback was collected and yet to be 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 and Yoga Practices	
V Semester (2020-21 Batch)		
1	FS-301Finfish Hatchery Management	Feedbackwascollec ted and yet to be analyzed.
2	FS-302Introduction to Biotechnology and Bioinformatics	
3	FS-303Pharmacology	
4	FS-304Fish Toxicology	
5	FS-305Fish Population Dynamics and Stock Assessment	
6	FS-306Fish By-product and Waste Utilization	
7	FS-307 Microbiology of Fish and Fishery Products	
8	FS-308Aquaculture Engineering	
9	FS-309Fishing Craft Technology	

(iv) Institute of Fisheries Biotechnology, Vaniyanchavadi, Chennai

Sl.No.	Name of the course	Action taken
All the course teachers of B.Tech. (Biotechnology) degree program were evaluated through the online portal for feedback. Suitable instructions were given to those course teachers whom have been rated poor, to assess the reasons and correct them.		

24.Feedback from stakeholders. Nil

Sl. No.	Name of the stakeholders	Feedbacks
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25.Unit cost of education**(i) Fisheries College & Research Institute, Thoothukudi**

Sl. No.	Unit cost of education per semester	Amount in (Rs.)
1.	Cost for the semester per student – FC&RI	90,224
2.	Cost for the semester per student - CFNT	84,058

Sl. No	Particulars	Amount
1.	Cost of Personnel	24176192
2.	Recurring	2259374
	TOTAL	26435566
3.	No. of Students including UG, PG & Ph.D	293
The unit cost of education for the three months (April 2023 to June 2023) per student		90224

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

Sl.No.	Unit cost of education per Quarter	Amount in (Rs.)
1.	Rs.1,70,72,274/253	67,479

Total No.of Students : 253

Total Expenditure during 2nd Quarter : Rs.1,70,72,274 (COP+Rec)

(iii) College of Fisheries Engineering, Nagapattinam

S.No	Particulars	FE	EEE	Amount (Rs.)
1	Cost of Personnel	9417042	NIL	94,17,042
2	Recurring	916959	9000	9,25,959
3	Total			1,03,43,001
4	Total number of Students	163		
5	Unit cost of Education			63453.99

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

Sl.No.	Unit cost of education per semester	Amount in (Rs.)
1	Rs. 9826 / Month / Student	Rs. 56,00,851 for 3 months for 190 students

(v) Institute of Fisheries Biotechnology, Vaniyanchavadi, Chennai

Sl.No.	Unit cost of education per semester	Amount in (Rs.)
B.Tech. (Biotechnology) Program : Rs.14,928.50		

(vi) Institute of Fisheries Postgraduate Studies, Vaniyanchavadi, Chennai

Rs. 3.05 lakhs per student

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

(i) 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

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

Sl.No.	List of computerization of administrations and the process of admissions and examination results, issue of certificates made
1.	1. II semester (Arrear) and III semester (Regular) report cards were distributed to the students of 2021-22 and 2020-21 on 12.07.2023. 2. I semester regular and arrear examinations were conducted on 13.06.2023 and 21.06.2023 for 2022-23 and 2021-22 batch, respectively.
2.	3. III semester (Arrear), IV semester (Regular) and II semester (Regular) final theory examination results were declared for 2021-22 batch on 02.06.2023

(iii) Institute of Fisheries Biotechnology, Vaniyanchavadi, Chennai

Sl.No.	List of computerization of administrations and the process of admissions and examination results, issue of certificates made
I.	Education management system is digitalized
II.	Office management is partially digitalized

27.Increase in the infrastructural facilities

(i) Fisheries College & Research Institute, Thoothukudi

Sl. No.	Increase in the infrastructural facilities	Amount
1	CIVIL WORKS UNDER FC&RI, Thoothukudi and NADP SCHEME	Rs. 1286.22 Lakh
2	Established laboratory complex – DAQ	
3	Renovated the integrated farm - DAQ	

4	TNJFU - NABL Laboratory Microbiology Lab Partition made and Layout sent for NABL Accreditation.	
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(ii) Dr. M. G. R. Fisheries College & Research Institute, Ponneri

Sl.No.	Increase in the infrastructural facilities	Amount(Rs.)
1	Provided Paver block at the main entrance of Dr. MGR FC&RI, Ponneri	13,20,280
2.	Provided Integrated Leased Line for the entire campus	50,2792
3.	Interactive Board	54,8700

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

Sl.No.	Increase in the infrastructural facilities
1	Farmers Training Centre, Incubation Centre and Marine Engineering Workshop establishment works were completed and yet to be inaugurated.

28.Technology upgradation:

(i) Fisheries College & Research Institute, Thoothukudi

Sl. No.	Technology up gradation	Date
1.	Development of One Online Blog on Turtle Species Identification and Conservation https://profturtle.com/	23.05.2023
2.	Development of One Android Mobile based Application on Turtle Species Identification and Conservation App Name: Prof Turtle	23.05.2023

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

Sl.No.	Technology up gradation	Date
1	Seaweed agar has been included in the fish cube to increase the thickening property of the product. The sensory evaluation was done by the staff of DFDT as a preliminary test.	14.06.2023

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

(i) 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

(ii) 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.	Data analysis using Statistical Package for the Social Sciences (SPSS)	18 faculties	-	-

(iii) Institute of Fisheries Biotechnology, Vaniyanchavadi, Chennai

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

30. Financial aid to students:**(i) Fisheries College & Research Institute, Thoothukudi**

Sl. No.	Name of the financial aid	Amount in (Rs.)	Year
1.	Pudhumai Penn Scholarship (Rs.1000/- per month x 6 students x 2 months)	Nil	Apr'23 – June'23
2.	TNJFU Merit Scholarship M.F.Sc. students Rs.4000/- per month & Ph.D. Students Rs.5000/- per month)	Nil	Apr'23 – June'23
3.	NTS (UG students Rs.300/- per month & PG students per month Rs. 5000/-)	Nil	Apr'23 – June'23
4.	Student Ready Programme (B.F.Sc. 2019-2020 batch)	Nil	Apr'23 – June'23
5.	7.5% TN Govt. Quota	Nil	Apr'23 – June'23
6.	TN SC&ST Scholarship for one full time Ph.D. Scholar (4 students x Rs. 100000/- Per year)	Nil	Apr'23 – June'23

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

Sl.No.	Name of the financial aid	Amount in (Rs.)	Year
1.	A. Bhavya	2000	2023
2.	D. Parameshwari	1000	2023

(iii) College of Fisheries Engineering, Nagapattinam

Sl. No.	Name of the financial aid	Amount in (Rs.)	Year
1.	PONTRIFEST 2023 – EUREKA - AN INTERCOLLEGIATE QUIZ COMPETITION	2290	2023
2.	STUDENT'S ASSOCIATION INDUCTION OF NEW MEMBERS for the Academic Year 2022-23	3924	2023
3	International Yoga Day Theme: "Yoga for vasudhaiva kutumbakam"	650	2023

4	International Yoga Day 2023 celebrations held at Annamalai University, Chidambaram	2160	2023
5	FIZZOREE & FISFEST 2023 at FC & RI, Thoothukudi	26000	2023
6	Half Engineers Day celebrations	6000	2023
7	NSS Special Camp	20000	2023
8	World Environment Day	985	2023
9	World Food Safety Day	930	2023

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

Financial aid to students : 6 different scholarships are given to students with the funding support from 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	-	-
4.	Scholarship to BC and MBC students	-	-
5.	Scholarship to SC and ST students	74,640	2022-23
6.	Pattukottai Azhagiri Endowment	-	-

(v) Institute of Fisheries Biotechnology, Vaniyanchavadi, Chennai

Sl.No.	Name of the financial aid	Amount in (Rs.)	Year
1	Pudhumai Pen Scheme of Government of Tamil Nadu (C.Maria Nilani 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

31.Activities and support from the Alumni Association

(i) Fisheries College & Research Institute, Thoothukudi

College	Batch	Activities	Support from Alumni Association
FCRI, Thoothukudi	General secretary	1. Conducted AGBM with the executive members. 2. Initial registration process of the registration of the Alumni association in the name – AFCA Thoothukudi under TN registration portal.	

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

College	Batch	Activities	Support from Alumni Association
Dr.MGR Fisheries College and Research Institute,		Represented the Sub-collector of Ponneri for the provision of an aquarium dedicated to native fishes in	All these were represented through the

Ponneri		college campus under CSR funds	Alumni association
		Representations were made to provide the amount paid by the alumni members for the alumni association membership along with their semester fees	
		Represented and obtained the certificate from the Registrar of the University regarding the eligibility of M.F.Sc graduates in the discipline of FRM as the suitable candidates for the posts of scientists in the Zoological Survey of India, Wild Life Institute of India and other Forestry research institutes	
		Assisted in conducting the preparatory discussion for attending the interview for the post of Inspector of Fisheries by the selected candidates	
		The Writ Appeal filed against the recruitment IF and SI by the fisheries engineering graduates were dismissed by the honorable Madras High Court with dedicated efforts from AFCA Ponneri	
		Maintaining freshwater native fish aquariums in the college campus and Ponneri sub-collector office for the education and awareness purpose	

32. Health services

(i) Fisheries College & Research Institute, Thoothukudi

Sl. No.	Name of the Health services
1	<ul style="list-style-type: none"> Dr. Banu Devanesam, MBBS, DGO, Tuticorin has been engaged as part time Medical Officer to look after the medical care of students and staffs. Doctor visits the college twice a week i.e. on Tuesday and Thursday

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

Sl.No.	Name of the Health services
1.	Announcement for the recruitment of part time medical officer is to be displayed in website.

(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.

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

Sl.No.	Name of the Health services
1.	On the occasion of World No-Tobacco day, Dr.Subasankareswari, Block Medical Officer, Primary Health Centre, Thalainayeru and Dr.K.Selvan, Block Health Supervisor of Primary Health Centre, Thalainayeru delivered an awareness talk on Tobacco to the students and faculty on 31.05.2023.

(v) Institute of Fisheries Biotechnology, Vaniyanchavadi, Chennai

Sl.No.	Name of the Health services
1	A 'Dental Camp' was organized for the benefit of the UG/PG students/PhD scholars/Staff on 17.05.2023

(vi) Institute of Fisheries Postgraduate Studies, Vaniyanchavadi, Chennai

Sl.No.	Name of the Health services
1	A 'Dental Camp' was organized for the benefit of the PG/Ph.D students/PhD scholars/Staff on 17.05.2023

33. Performance in the sports activities**(i) Fisheries College & Research Institute, Thoothukudi**

Sl. No.	College	Performance in sports activities	Date
1.	FC&RI, Thoothukudi	Namma Thoothukudi Marathon – 2023, 24 students participate in the event	30.04.2023
2.		Duathlon – 2023, 11 students participate in the event	03.05.2023
3.		Celebrating 9 th International Day of Yoga	21.06.2023
4.		State level PONTRIFEST – 2K23 participate at Dr.M.G.R. FC&RI, Ponneri, Chennai	22.06.2023 to 23.06.2023
5.		Organized Annual Sports Meet - 2023	28.06.2023
6.		State level Chief Mister Silambam trophy participate at TNPESU, Chennai	30.06.2023 to 30.07.2023
7.		9 th International Yoga Day on 21.06.2023	21.06.2023
8.		ANNUAL SPORTS MEET 2022-23	28.06.2023

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

Sl.No.	College	Performance in sports activities	Date
1.	Dr.MGR Fisheries College and Research Institute, Ponneri.	Inter college sports meet (Kurukshetra - 2023) was conducted as a part of PONTRIFEST -2023	22.06.2023

2.	Dr.MGR Fisheries College and Research Institute,Ponneri.	S.Kumaraguru from 2020-21 batch participated in 10 km mini marathon held at Tiruppur district on 14.05.2023 and secured 14 th place. It was conducted to create awareness about the impacts of plastics under the theme of "Say no to plastic:Tiruppur with No plastic". The marathon was started in the collector office, tirupur district and ended in the same place.	14.05.2023
3.	Dr.MGR Fisheries College and Research Institute,Ponneri.	D.Navin Kumar from 2020-21 batch Participated in All India SQAY martial arts national referee seminar and orientation camp 2023-24 held at Madgaon, Goa in Manohar Parrikar indoor stadium organized by SQAY martial arts federation (India) and also participated in Grading (BELT) examination and got qualified to Black belt 2 nd dan.	12.05.2023 - 16.05.2023

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

Sl.No.	Performance in sports activities
1.	The overall runners' trophy of 'PONFIMA-2023" was bagged by our institute and our students also came as runners in Men's volleyball of "KURUKSHESTRA" in "6 th PONTRIFEST 2022-23"on 22-23 June 2023.

(iv) Institute of Fisheries Biotechnology, Vaniyanchavadi, Chennai

Sl.No.	College	Performance in sports activities	Date
1	Institute of Fisheries Biotechnology	A. Musori, S. Sweatha, T.N.Neevika, A.R. Praveena, K. Vishnu Priya – Runners in Throw ball competition held during PONTRIFEST - 23 held at FC&RI, Ponneri	22-23, June, 2023

34.Student achievements and awards : 4 Nos.

(i) Fisheries College & Research Institute, Thoothukudi

Sl. No.	Student Name	Batch	Achievements and Awards	Date
1.	M.Madhumitha	2 nd B.F.Sc.	PONTRIFEST – 2K23 – Table Tennis won the gold medal	22.06.2023 to 23.06.2023
2.	M.Madhumitha	2 nd B.F.Sc.	PONTRIFEST – 2K23 – Chess won the silver medal	
3.	S.Santhosh Kumar	IV B.F.Sc.	PONTRIFEST – 2K23 – Table Tennis won the gold medal	
4.	Preetysh Nanda	(2020 - 21)	Best Outgoing M.F.Sc. Graduate in	07.07.2023

Patnaik U -16 – OD – 01 – 005 – B – F - 010		Fisheries Resource Management	
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(ii) Dr. M. G. R. Fisheries College & Research Institute, Ponneri

Sl.No.	Student Name	Batch	Achievements and Awards	Date
1.	Mr. S.Kumaraguru	B.F.Sc 2020-21 batch	Won 14 th place in mini marathon	14.05.2023
2.	Mr.D. Navin Kumar	III B.F.Sc 2020-21 batch	Black belt 2nd dan.	12.05.2023 to 16.05.2023

(iii) Institute of Fisheries Biotechnology, Vaniyanchavadi, Chennai

Sl.No.	Student Name	Batch	Achievements and Awards	Date
1	Dharsica. G. M and Dayana. P	2020-2021	1st prize – Fruit carving in PONTRIFEST - 23 held at FC&RI, Ponneri	22-23, June, 2023
2	Hema, K		3rd prize - Dance in PONTRIFEST - 23 held at FC&RI, Ponneri	22-23, June, 2023
3	Sweatha. S and Dayana. P		2n prize – Paper dressing in PONTRIFEST - 23 held at FC&RI, Ponneri	22-23, June, 2023

(iv) College of Fisheries Engineering, Nagapattinam

Sl.No.	Student Name	Batch	Achievements and Awards	Date
1.	Ms. Kaviya S & Mr. Dhiravian G	2019-20 B.Tech.(FE)	Secured I prize in intercollegiate quiz competition event at "PONTRIFEST2023", Ponneri	22.06.2023 and 23.06.2023
2	Ms. Pravarthika Ms. Mary sahaya rubasha	2021-22 batch	Won Chief Minister Trophy Sports meet	16.06.2023

35.Activities of the Guidance and Counseling unit

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

Sl.No.	Activities of the Guidance and Counselling unit
1.	The carrier Guidance Cell has shared the details regarding higher study opportunities to the students. The cell also shared the details regarding different programmes.

(ii) College of Fisheries Engineering, Nagapattinam

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

(iii) Institute of Fisheries Biotechnology, Vaniyanchavadi, Chennai

Sl.No.	Activities of the Guidance and Counselling unit
1	Four counseling programs were conducted for 2020-2021, 2021-2022 and 2022-2023 batch students by the respective

36.Placement services provided to students :**(i) Fisheries College & Research Institute, Thoothukudi**

Sl.No.	College	Placement Service provided	Year
1	Mr. V. Balamanikandan	Aadhav farms Vellapallam, Thalaigayiru, Nagapattinam District	2023

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

Sl.No.	College	Placement Service provided	Year
1	Dr. M.G.R. FC&RI, Ponneri	Cell has disseminated the job details of The Placement various organizations to the students. Processed the formalities to organize the campus drive form M/s. CP Aquaculture and M/s. Shenglong Biotech Pvt. Ltd.	2023

(iii) College of Fisheries Engineering, Nagapattinam

Sl.No.	College	Placement Service provided	Year
1.	CoFE	Letters were sent inviting to conduct placement for the outgoing students in collaboration with Dr. MGR FC& RI, Thalainayeru to Jaya engineering, Tuticorin, JRJ seafoods, Pattukottai and Avanti frozen Foods Pvt.Ltd. Anthra Pradesh on 04.08.2023.	2019-20 batch

(iv) Institute of Fisheries Biotechnology, Vaniyanchavadi, Chennai

Sl.No.	College	Placement Service provided	Year
1	Institute of Fisheries Biotechnology	4 students of B.Tech. (Biotechnology) 2019-2020 batch have been provisionally placed at LifeCell International Pvt Ltd, Chennai	2023
2	Institute of Fisheries Biotechnology	Divyanand of B.Tech. (Biotechnology) 2019-2020 batch has been placed at Sahasra Crop Science Pvt Ltd, Hyderabad	2023

(v) Institute of Fisheries Postgraduate Studies, Vaniyanchavadi, Chennai

- Mr. Sham Lal Tudu joined in a Shrimp diagnostics lab at Marakkanam
- Dr. L. Akshaya joined a Assistant Professor (c) at Muttukadu

37. Development programmes for non-teaching staffs

(i) College of Fisheries Engineering, Nagapattinam

Sl.No	College	Name of the programme	Date
1.	College of Fisheries Engineering	Preparation of RE 2023-24 and BE 2024-25	28.08.2023 & 29.08.2023

38. Good practices of the institution

(i) Fisheries College & Research Institute, Thoothukudi

Sl. No.	Good practices of the institution
1	NSS volunteers list of TNJFU for Naan Mudhalvan scheme was compiled and submitted to the State NSS Office, Chennai
2	Coastal cleanup Campus cleaning
3	Maintaining greenery inside campus to protect the environment - CNFT
4	Making compose fertilizer from the waste produced inside the campus- CNFT

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

Sl.No.	Details
1.	GYM equipment's have been purchased & installed.
2.	Native ornamental species maintained in public aquaria in college campus by the PG/Ph. D research scholars.

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

Sl.No.	Good practices of the institution
1.	On the occasion of World Earth Day, a cleanliness drive and tree plantation was organized on 24.04.2023. Students cleaned the college campus, and 200 saplings were planted in the college premises.
2.	On "World Environment Day 2023", a total of 90 trees were planted in college campus and Freshwater Instructional Fish Farm at Korukkai in collaboration with Reliance Foundation, Chennai, on 05.06.2023.

(iv) Institute of Fisheries Biotechnology, Vaniyanchavadi, Chennai

Sl.No.	Good practices of the institution
	<ul style="list-style-type: none">i. 'Prospiciance Groups' has been initiated for encouraging group discussions among studentsii. Brainstorming sessions on subject matters for the final year students through 'Biotechcellence Club'iii. Mandatory project work for the final year Undergraduate studentsiv. Compulsory internshipsv. Encouraging undergraduate students to be associated with faculty for research and lab activities

(v) Institute of Fisheries Postgraduate Studies, Vaniyanchavadi, Chennai

Sl.No.	Good practices of the institution
1	<ul style="list-style-type: none">• Mandatory project work for the postgraduate students.• Encouraging postgraduate students to be associated with faculty for

	research and lab activities. <ul style="list-style-type: none"> • Development and adoption for SOP for all laboratories. • Encouraged students to undergo MOOC courses.
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**39.Linkages developed with National/International, academic/research bodies :
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(i) Institute of Fisheries Biotechnology, Vaniyanchavadi, Chennai

Sl. No.	College/Institute	Linkages developed	National/International	academic/research bodies	Date
1	National Institute for Research in Tuberculosis, Chennai	Four B.Tech. (Biotechnology) Students underwent internship program	National	Research	Since March /April 2023
2	MS Swaminathan Research Foundation, Chennai	Two B.Tech. (Biotechnology) Students underwent internship program	National	Research	Since March /April 2023

(ii) Institute of Fisheries Postgraduate Studies, Vaniyanchavadi, Chennai

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

40.Action Taken Report on the Quality Assurance Report of the previous quarter

(i) Fisheries College & Research Institute, Thoothukudi

Sl. No.	Action taken towards the previous quarter		
1.	Formation of Students Grievance Committee		
	Sl.No.	Name and Designation	Position
	1	Dr. N. Jeyakumar, Professor and Head, Dept. of Fisheries Biology and Fisheries Management, FC & RI, Thoothukudi	Chairman
	2	Dr. B. Chrisolite, Associate Professor and Head, Dept. of Fish Pathology and Health Management, FC & RI, Thoothukudi	Member
	3	Dr. T. Umamaheswari, Assistant Professor, Dept. of Fisheries Extension, Economics and Statistics, FC & RI, Thoothukudi	Member

	4	Mr. T. Ravikumar, Assistant Professor, Dept. of Fishing Technology and Fisheries Engineering, FC & RI, Thoothukudi	Member
2.	Formation of Anti-Ragging Committee		
	Sl.No.	Name and Designation	Position
	1	Dr. V. Rani, Professor, Dept. of Aquatic Environment Management, FC & RI, Thoothukudi	Chairman
	2	Dr. K. S. Vijai Amirtharaj, Assistant Professor and Head in-charge, MRFF, Dept. of Aquaculture, FC & RI, Thoothukudi	Member
	3	Dr. B. Sivaraman, Assistant Professor, Dept. of Fish Processing Technology, FC & RI, Thoothukudi	Member
	4	Mr. Anix Vivek Santhiya, Assistant Professor, Dept. of Aquaculture, FC & RI, Thoothukudi	Member
3.	Formation of Anti-Drug Committee		
	Sl.No.	Name and Designation	Position
	1	Dr. S. Athithan, Professor and Head, Dept. of Aquaculture, FC & RI, Thoothukudi	Chairman
	2	Dr. P. Sivasankar, Assistant Professor, Dept. of Fish Pathology and Health Management, FC & RI, Thoothukudi	Member
	3	Mr. S. Mariappan, Assistant Professor, Dept. of Fishing Technology and Fisheries Engineering, FC & RI, Thoothukudi	Member
	4	Mr. C. Suthan, Assistant Professor, Dept. of Fisheries Biology and Resource Management, FC & RI, Thoothukudi	Member

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

Department of Aquaculture

- As part of the Student Ready program, 5 days Skill programme on Feeds and Feeding management was conducted to final year students in 6 groups.

Department of Fisheries Biology and Resources Management

- One day Awareness training program was conducted for the on 26.07.2023 at Pazhaverkadu
- World nature Convention Day was celebrated on 28.07.2023 at Ennore creek campus. Planted tree saplings with the help of Department of Forestry at Ennore. The students were impaled in the activity.
- The following training proposal for five days for Training of Trainers (ToT) program were submitted

1. "Identification of fishery resources, stock assessment and biological methodology to manage the inland water bodies",
2. "Potential Fishing Zone among the Fishermen of Chennai Coast, Tamil Nadu"
3. One day awareness program on "conservation and management of endangered fishes to the fisherfolks of Chennai coast, Tamil Nadu" for NFDB funding for the year 2023-2024

Department of Aquatic Environment Management

- As part of the Student Ready program, 5 days Skill programme on Water quality management was conducted to final year students in 6 groups
- To commemorate the World Environment Day on 05.06.2023, the Department of Aquatic Environment Management (DAEM), Dr. M.G.R. Fisheries College and Research Institute, Ponneri organized a tree plantation programme in the college campus NSS Student Participated volunteers. Totally, 130 tree saplings which include medicinal trees, fruit trees and flowering trees were planted in our campus.

Department of Fish Processing Technology

- Discussion on course schedule preparation was carried out.
- Three Project proposals were prepared for TNSCST. Self - Financing Scheme proposal
- on "Promotion of Value added Aquatic Food products" was submitted to TNJFU and approval received from university.
- Training proposals submitted: 6
- 1. Training proposal on seaweed processing, products development, Quality standards and marketing was submitted to PMMSY under NFDB- 1.38 lakhs- PI: Mrs. Nimish Mol Stephen, AP Head i/c.

Publications

1. Nimish Mol Stephen, Uayasree, Phenolic compounds from marine organisms and their bio functional properties. Handbook of Science Engineering. Polyphenols: Fundamentals and Industrial Scale Applications.

2. Subash, P., Uma, A., Ahilan, B. and Kannan, S.S., 2023. In vivo and in silico investigations on the efficacy of albendazole against *Enterocytozoon hepatopenaei* (EHP) infecting *Penaeus vannamei*. Aquaculture, 575, p.739801 (NAAS 2023 – 11.14) (DAAHM)

Name of the authors

Nimish Mol Stephen, Jayasri R, Liya Babu, Kirubakaran, Mangaiyarkarasi, Kamini, NR Ganesan P.

Title

Phenolic compounds from organisms and their biofunctional properties.

Journal Name:

Handbook of Science & Engineering of Polyphenols: Fundamentals & Industrial Scale Applications

Year: 2023

(ii) College of Fisheries Engineering, Nagapattinam

Action Taken Report
BoS (Faculty of Fisheries Engineering) was reconstituted with new members as the tenure of the members was over 22.02.2023 via U.S.O.No.496/B1/Edn./TNJFU/BoS/2023,

RC.No.2623/B1/Edn/TNJFU/ BoS/2023

Committee for revamping the syllabus was formed and Internal Communications were sent No. A/ CoFE/NGPT/IQAC/2023 dated 04.05.2023

The request has been sent to the concerned Faculty members through the Head of the Department for revamping of FE syllabus and the revamped syllabus will be obtained from the Head of the Departments.

Faculty handling PG courses were requested to provide their input on whether ONLINE/SWAYAM courses could be considered as an alternative to regular classes or if the existing courses should continue to be conducted in person.

Updated syllabus both B.Tech. (FE) and (EEE) and the same were submitted to the controller of Examinations on "Lr no. 573/ Dn/CoFE/Edu/B.Tech (FE/ EEE)/ updated syllabus dated 14.06.2023"

Student counsellors are maintaining the record of the allotted students.

4 students counsellors were nominated for each batch

All faculties are maintaining the course file with the listed documents.

A promotional talk related to courses offered at CoFE was given by Dr.N.Manimehalai, Dean i/c., on 29.05.2023 in AIR, Karaikal. 2500 brochures were distributed to six districts (Coimbatore, Trichy, Thanjavur, Madurai, Thiruvavur and Mayiladuthurai) in Tamil Nadu for promoting the courses. Brochures were also distributed to seven schools located in Nagapattinam district.

Online Parent teacher meeting was conducted for 2020-21 batch on 16.06.2023
2021-22 and 2022-23 batches needs to be organised by the class co-ordinators

(iii) Institute of Fisheries Biotechnology, Vaniyanchavadi, Chennai

Sl.No.	Action Taken towards the previous quarter
1	<ol style="list-style-type: none">1. Feedback is being obtained routinely from the students for the B.Tech. (Biotechnology) degree courses2. Three Parent – Teachers meetings (online) were organized on 15th, 16th and 22nd of May, 20233. Students achievements have been uploaded in TNJFU-IFBT website4. Placement details have been uploaded in TNJFU-IFBT website5. Academic Calendar has been prepared for each semester and will be communicated to the students and staff at the beginning of each semester

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

Section C: Outcomes achieved by the end of the quarter

(i) Fisheries College & Research Institute, Thoothukudi

Department of Fisheries Biology and Resource Management:

- 5 B.F.Sc. 6 M.F.Sc. and 4 Ph.D. courses were offered
- Five research papers were published and one research article was submitted in the peer reviewed journals.

Department of Aquatic Environment Management:

- The research works pertaining to the department such as Efficiency assessment of bio-adsorbents prepared from fish scales in the treatment of municipal and seafood processing plant waste water in Thoothukudi district, Tamil Nadu, Evaluating selected marine microalgae as a source of carotenoid pigment (lutein) from coastal waters of Thoothukudi, Evaluation of hydrocarbon degrading efficiency of microbes isolated from Dry Docking Yard and Fishing Harbour in Thoothukudi and analyzing the water samples brought by farmers and sea food processing entrepreneurs were carried out.

Department of Aquaculture:

- NADP scheme on "Integrated fish farm model complex at Fisheries College & Research Institute, Thoothukudi for capacity building of inland fish culturists to augment fish production" was operated
- DSIR research scheme on "Livelihood improvement of women through skill development in ornamental fish farming with special emphasis on production of attractive and high-quality ornamental fishes" will be operated.

Department of Fish Pathology and Health Management:

- National Surveillance programme for Aquatic Animal Diseases – Phase II scheme

Department Fishing Technology and Fisheries Engineering:

- The department has also involved in extension activities related to Fishing Technology particularly on aspects like creating awareness on Engine maintenance, Sea Safety and Responsible fishing to the fishermen of Tamil Nadu.
- Further, the department also offers one-week training program on Deep sea fishing.

Department of Fish Processing Technology:

- 3 Ph.D. scholars are carrying out their research.
- Two projects are being operated in the department. Two research articles were published. One training class on cold chain logistics and marketing infrastructure was conducted for the entrepreneur youth. Nine incubates were entertained in the department.

Department of Fish Quality Assurance and Management:

- Research Proposals prepared for MFSc student
- Samples analyzed for various quality parameters and certificates issued

Department of Fisheries Extension, Economics and Statistics:

- A total of 4 B.F.Sc., 14 M.F.Sc. and 4 Ph.D. courses were offered.
- 1 NADP project on Integrated Multi-trophic Aquaculture (IMTA) based culture technology to augment fish production as an alternative livelihood for the fisherfolk of Tharuvaikulam, Tamil Nadu with a total of 299.6 lakhs is in operation (As Co-PI).

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

- Steps for the start of the online skill development course on Culture of pearl spot *Etroplus suratensis* is in progress
- Six training projects were proposed for funding support

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

- World Earth Day celebration, 2023
- District Level Elocution Competition
- Hon'ble MLA Th.O.S.Manian contributes to the TNJFU Student Endowment Award to recognize topper in B.F.Sc., Programme.
- Awareness Programme on "Conservation and Management of Marine Fishery Resources of Tamil Nadu"
- 'Lifestyle for the Environment' pledge
- Anti-terrorism day pledge
- Awareness on "Conservation and Sustainable Use of Biodiversity"

(iii) Institute of Fisheries Biotechnology, Vaniyanchavadi, Chennai

- Two more linkages with academic institutes has been initiated
- Faculty training program has been initiated
- 'Group Study' activity through '**Prospiciance Groups**' for knowledge improvement has been carried out

Section D: Plans of the Institute for the next quarter

(i) Fisheries College & Research Institute, Thoothukudi

Department of Fisheries Biology and Resource Management:

- A total of 7 UG, 4 PG and 7 Ph.D. related to Fisheries Biology and Fisheries Resource Management will be offered
- Research on the biodiversity, biology and stock assessment of the selected aquatic organisms will be conducted

Department of Aquatic Environment Management:

- 3 UG, 4 PG and 4 Ph.D. courses will be offered
- 3 PG and 2 Ph.D. students will be guided

Department of Aquaculture:

- 6 UG, 6 PG and 6 PhD courses will be offered
- National level think-tank workshop from Subject Matter Idea Group will be organized
- 5 days Refresher Training Programme sponsored by MANAGE, Hyderabad will be organized
- Training programmes will be conducted

Department of Fish Pathology and Health Management:

- 2 UG, 5 PG and 5 PhD will be offered
- Continuing the 4 PG and 3 PhD research guidance
- National Surveillance programme for Aquatic Animal Diseases – Phase II scheme till March 2025.

Department of Fishing Technology and Fisheries Engineering:

- 3 UG, 4 PG and 6 Ph.D. courses will be offered
- 3 M.F.Sc. research dissertations and 1 Ph.D. dissertation works will be completed
- Research work under the Ph.D. dissertation of Ph.D. scholars of 2021-22 batch will be continued
- New research work by the 2 Ph.D. Scholars of 2022- 23 batch will be started

- 3 training programs under the training scheme funded by Tamil Nadu Skill Development Corporation, Chennai will be completed

Department of Fish Processing Technology:

- 2 UG and 4 PG courses will be offered
- The works related to the objectives of the EDII Scheme will be accomplished
- 2 Ph.D. Students research work will be continued
- The courses of the Department of Fish Processing Technology will be handled

Department of Fish Quality Assurance and Management:

- 2 UG and 5 PG courses will be offered
- Research works on fish quality assurance will be carried out
- 1 PG and 1 Ph.D. degree students will be guided
- Fish quality monitoring and certification centre will be carried out
- Training to personnel of seafood processing industries, fisherfolk, SHGs on fish quality and safety will be conducted

Department of Fisheries Extension, Economics and Statistics Teaching:

- 4 UG, 14 PG and 4 Ph.D. courses will be offered
- ICAR - NASF project entitled "The changing dynamics of labour migration on employment, livelihoods and resource productivity patterns in Indian marine fisheries sector" will be continued
- Training programmes will be conducted and advisory services will be provided
- Institutional and University activities/responsibilities will be continued

Library:

Uploading of all the PG and Ph.D. thesis from 2020 to 2022 batch in the Krishikosh Portal.

<https://krishikosh.egranth.ac.in/>

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

- Offline mock tests will be conducted for competitive exams like bank exam, UPSC, Civil services exam, Railway exam. etc., and ICAR

Department of Aquaculture:

- Five days training programme will be conducted in collaboration with Agriculture skill Council of India and National Fisheries Development Board for the Job Role of "Aquaculture Worker"

Department of Aquatic Animal Health Management

- Research and popular articles will be published
- One Project proposal will be submitted for funding support

Department of Fisheries Biology and Resources Management:

Research articles will be published Seven new books have been purchased at the cost of Rs.34,481/-

Department of Fisheries Extension Economics and Statistics:

- Will coordinate and conduct Independence day celebration
- Commemoration of "Mahakavi Bharathiya and National Freedom Movement and Participation in the "Meri Maati Mera Desh" campaign and activities will be organized

Department of Aquatic Environment Management:

- Mangrove plantation will be carried out in coordination with FRM department World Nature Conservation day on 27th July
- A manual will be published

Department of Fish Processing Technology:

- Proposal entitled in "Evaluation on the protective efficacy of marine algal carotenoids in combination with Indian spice bio actives in liver injury model in vitro" will be submitted to TNSCST – Mrs. Nimish Mol Stephen
- Proposal entitled in "Impact of environment changes on emergence of antibiotic resistant Salmonella Montevideo in shrimp farms" will be submitted to TNSCST – Dr. Muraldharan
- Development of dehydrated ready to eat seafood products will be submitted to TNSCST – Dr. Masilan

(iii) College of Fisheries Engineering, Nagapattinam

- To initiate NBA accreditation process for B.Tech.(FE)
- Implementation of class committee
- 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) Institute of Fisheries Biotechnology, Vaniyanchavadi, Chennai

- To renovate the classrooms and laboratories with additional resources.
- Feedback submission will be more encouraged among the students and focused to resolve the merits and demerits.

(v) Institute of Fisheries Biotechnology, Vaniyanchavadi, Chennai

- Continuing the Assessment of feedback responses from students
- Appreciation of the students by rewarding for their academic performance

(vi) Institute of Fisheries Postgraduate, Vaniyanchavadi, Chennai

- Appreciation of the students by rewarding for their academic performance
- Identification of mentor from outside the institute to share the knowledge and also facilitate in doing research.

(vii) Paraprofessional Institute of Aquaculture, ECR, Muttukadu

- Guest Lectures from industry personnel will be arranged.
- Frequent field visits for the students to Farms, hatcheries, industries and TNJFU centres will be arranged.
- Regular class committee meeting will be conducted and file to be maintained.

(vii) Paraprofessional Institute of Fishing Technology, Ramanathapuram

PPIFT, Ramanathapuram – July 2023	
	Academic credential report
	Preparation and compilation of the DIVF monthly report
	Student details
	Differently abled person details
	Exam application
	NADP status report
	Academic details 2022-23
	Staff attendance particulars
	Preparation of 66 th USO's ATR
	Preparation of proposal for certificate course on 'Fishing Gear Technician'
	DIVF and CIVF accounts detail 2021-23
August 2023	
	Preparation of Tamil books for the subject of Fishing Gear Technology, Basic Navigation, Basic Marine Engine
	Preparation of Proposal for recognition of B.Voc. (IFT) degree course by the Government of Tamil Nadu
September 2023	
	Conducting the Level 4 examination

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

Sd-/-----
Chairperson, IQAC
TNJFU, Nagapattinam