

## **Internal Quality Assurance Report (October to December 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**

- 5 Training programmes / Webinars were organized.
- 11 externally funded projects were in progress.
- M.F.Sc students and Ph.D. students carried out their dissertation work in various departments.

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

##### Development and popularization of viable technologies

- To undertake Koi carp culture and gold fish culture in instructional fish farm ponds in college campus.
- Development of duckweed in lined ponds for use as feed ingredient.
- To undertake disease surveillance on emerging diseases and create awareness among the farmers for the management of the existing and the emerging diseases.

##### 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

- To conduct stakeholder meets on the prevention of antibiotics usage in Aquaculture.
- A two days training program will be organized for the fish farmers.
- To commemorate the world fisheries day for two days (21.11.2023 -22.11.2023). Training programme on 'shrimp farming' will be conducted.
- To conduct a telephone live programme will be conducted in the theme of "Food Security Schemes" on October in DD Pothigai.
- One-day awareness program for the fisherman will be conducted.
- One national seminar on PONSHRIMP' 2023 will be conducted.
- To conduct awareness training program on sustainable management of Artificial reef.

##### Innovations in curricular design and transaction

- To promote the concept of "Project Based Learning" for the students through mentor mentee program.
- To adopt Socratic method to foster Students Learning Process to the II B.F.Sc. Students for the course FS 111 Aquaculture in Reservoirs.
- Students will be encouraged to write popular articles about Fisheries and Aquaculture so as to publish in the magazines.
- Guest lectures of the experts from other institutes will be arranged to the students to enrich their knowledge on various aspects related to health management.
- Publication of research papers in high-impact factor journal.
- Popular articles on issues related to aquatic animal health will be prepared and submitted for publication.

- Exposure study tour will be undertaken to the third year B.F.Sc. students to Tuticorin and Kanyakumari. It will be arranged to make students get exposure on deep sea fishing methods.
- Fishing trail to be conducted at Kayak Fishing Verosit, CIVF at Tuticorin.
- Demonstration on navigation and fishing stimulator at CIVF at Tuticorin.
- Field trail of newly fabricated fishing gears will be done at Pulicat lake by 2020-21 batch students under FS-316: Fishing Technology Course.
- Field visit will be arranged to 2021-22 batch B.F.Sc. Students for FS-218 Fishing Gear Technology course to get exposure about fishing gears of Pulicat coast.
- Two Research papers will be communicated to the Scopus-indexed journal.
- One popular/technical article will be published
- Price fixing for the processing unit & products will be carried out
- Publication of book chapters / Technical article.

### **(iii) College of Fisheries Engineering, Nagapattinam**

- Acquiring AICTE Accreditation 2023-24 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.
- Acquiring NAAC Accreditation and improve the infrastructure and other facilities as per norms.
- Strengthens the teaching Learning process through formation of class committee, regular conductance of academic audit and getting feedback from the students.
- Motivate the students through counseling and regular conductance of parent teachers meeting.
- Strength the research and extension activities by submitting proposals to external funding agencies.

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

#### **a) Education Quality Assurance Committee:**

- Online talk on "Cracking the ICAR AIEEA Examination: Tips and Strategies for Beginners"
- Structured utilization of language lab facility in our facility in our college by the students.
- Structured utilization of language lab facility have been enhanced by the students.

#### **b) Teaching Evaluation Committee:**

- IQAC Students feedback were submitted by the students through IQAC portal. The feedbacks have been monitored by the Chairperson for further action.

#### **c) Training Quality Assurance Committee**

- To conduct an awareness programme in commemoration of "KisanDiwas"

#### **d) Project Quality Assurance Committee**

- To initiate a Research club in this college to cultivate a collaborative environment for interdisciplinary research projects.
- Explore our comprehensive analysis services and facilities available – Brochure release.
- Research projects on "Development and Standardization of a Retort-Pouch Encased Choco Smoothie Infused with FPC" will be submitted by Department of Fish Processing Technology for University Grant.

e) College and Campus development Committee (CCDC):

- To conduct monthly campus cleaning programme involving students on significantly contribute to maintaining a clean and healthy environment.

**(v) Institute of Fisheries Biotechnology, Vaniyanchavadi**

- Obtaining feedback from the faculty and students
- Encouraging exchange programmes between institutions and industries
- Encouraging students by rewarding for their academic performance
- Strengthening of placement Cell
- Encouraging students for participating in personality development programs
- Starting new academic programmes
- Refinement of existing curriculum

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

- Assessment of feedback responses from students.
- Encouraging exchange programmes between institutions and external membership from other organizations for all postgraduate students.
- Motivation of students to involve in research work.
- Encouragement of submission of teaching manuals.

**(vii) TNJFU, Institute of Fisheries Business School, Vaniyanchavadi**

- Obtaining feedback from the faculty and students
- Encouraging exchange programmes between institution and industry
- Appreciation of the students by rewarding for their academic performance other than the routines.
- Encouraging the UG and PG students to conceive the theme and prepare the Fisheries Enterprise Management programme for their research.
- Strengthening the placement cell
- Encouraging the participation of students in personality development programmes.
- Refinement of existing curriculum
- Periodically webinars and offline guest lectures with subject experts to be organized.

**(viii) College of Fish Nutrition and Food Technology, Madhavaram**

- To prepare and maintain excel sheet containing the data of No. of students, batch and date of filling the feedback form required for IQAC.
- To conduct English language class for improving communication skills to the students.
- To create Google Forms indicating the industry perspectives questions and share it with the students for conducting of test.
- To arrange HR training, Email writing, Technical presentation and interview for IV year students.
- To conduct parent teachers meeting and class review meetings.

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

- Preparation and compilation of DIVF monthly report
- Level 4 examination report
- Education Annual Report 2022-23

- Proposal for Inclusion of B.Voc. programs as qualified bachelor degrees to appear for group service examinations
- Student wise Examination fee Details
- NADP scheme success story details

**(x) Directorate of Incubation and Vocational Training in Aquaculture, Chennai**

- Guest Lectures from industry personnel to be arranged.
- Frequent field visits for the students to Farms, hatcheries, industries and TNJFU centres to be arranged.
- Regular class committee meeting to be conducted and file to be maintained.
- DIVA Library to be updated with resources.
- Skill based training programs to be arranged.
- Feedback from the students to be collected periodically.
- Laboratories to be further strengthened.
- Course files to be maintained.
- Students Grievance and redressal meeting to be conducted.
- Faculty empowerment programs to be encouraged.
- Parent teacher meeting to be arranged.
- Greening of campus to be ensured.

**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	B.F.Sc., M.F.Sc. and Ph.D. courses were handled. Guidance as chairman and member was provided to Ph.D. Students and M.F.Sc student. A total of four research projects, TANII (2022-23), TNJFU-JTRF Scheme (2021-22) and two industry-institute projects (CMPA) were operated.
2	Students who are doing their research are being guided regularly
3	One National Surveillance programme for Aquatic Animal Diseases – Phase II scheme is being operated.
4	Ph.D scholars were carried out their dissertation work.
5	Two research projects, EDII, Chennai were operated.
6	A Five days training program on “Microbial Quality Testing of Fish and Fishery Products” was conducted at the Department of Fish Quality Assurance and Management.
7	Twelve Quality Control Technologists/Analysts participated in the training program from various seafood industries.
8	IQAC 4 <sup>th</sup> Quarterly meeting on “NAAC Criteria for Assessment” was conducted on 12.10.2023.

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

Sl.No	Name of the Activities
1	<ul style="list-style-type: none"> <li>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.</li> <li>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.</li> <li>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.</li> </ul>

**(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 align the course nomenclatures with AICTE's already existing nomenclatures available in the list of approved nomenclatures such as "Energy and Environment Management" etc.</p>
iii.	Efforts are under progress to get NBA accreditation for the course B.Tech.(Fisheries Engineering) since ICAR declined to approve the course.
iv.	All year Co-ordinators' were instructed to conduct the class committee meeting (two times), parent teachers meeting (one time) and obtain feedback from the students (two times in a semester ) IC No : No.4/COFE/NGPT/IQAC/2023
v.	4 students counsellors were nominated for each batch of Student (for every 10 student one counsellor ) IC No : No.5/COFE/NGPT/IQAC/2023
vi.	Faculties are encouraged to submit research and extension proposal for external funding. As a result 2 research proposals were submitted for funding in this quarter

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

Sl.No	Name of the Activities
1	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.
2	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)).
3	To disseminate various fisheries technologies for the benefit of fishers, farmers, rural youth and women SHGs to promote fisheries entrepreneurship to enhance production and consumption of fish.
4	A training program on "Contemporary Value Added Fish Products"
5	One-day off campus training programme on "Freshwater Prawn Farming"
6	An awareness programme on "Early Identification of Diseases in Shrimp Farming"
7	World Fisheries Day Awareness camp & World Antibiotic Awareness Week'-2023

**(v) Institute of Fisheries Biotechnology, Vaniyanchavadi**

Sl.No	Name of the Activities
1	Students are encouraged involving in Basic research programmes in the field of Fisheries Biotechnology.

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

Sl.No	Name of the Activities
1	M.F.Sc and Ph.D degree programme is being offered, as on date 10 M.F.Sc and 9 Ph.D students are on roll.

**(vii) TNJFU, Institute of Fisheries Business School, Vaniyanchavadi**

Sl.No	Name of the Activities
1	BBA and MBA (Fisheries Enterprise Management) degree program are offered. As on date, 57 students are on roll.

**(viii) College of Fish Nutrition and Food Technology, Madhavaram**

Sl.No	Name of the Activities
1	Identified student difficulties in reading and writing in English language and also planned to arrange experts to conduct the basic spoken English class to the students
2	Encouraged students to present a minutes PowerPoint presentation for each subject and it has been done by the student regularly.
3	Organized workshop/trainings for teachers to help students face group discussion and placement interview during placement.
4	Check AICTE website regularly to obtain accreditation
5	Check water samples for drinking water quality analysis at NFL, FSSAI, Chennai. Different water samples were collected from the college Boys hostel and Girls hostel.
6	The test samples were sent to the Chennai Testing Laboratory Pvt. Ltd. and results were collected.

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

Sl.No	Name of the Activities
1.	B.Voc. IFT and B.Voc. IFPT have been offered to produce manpower for the marine fishing and fishing processing industries.

2.	Conducted six days of Training imparted to the fishermen
3.	B.Voc. (FPT) course is aimed at providing skilled professionals to seafood processing plants.

**(x) Directorate of Incubation and Vocational Training in Aquaculture, Chennai**

Sl.No	Name of the Activities
1.	B.Voc. IA is being offered to produce manpower for aquaculture and allied industries.
2.	Aquafeed is produced for research, incubatees and farming communities.
3.	Wet Labs/ RAS / Biofloc facilities for research and industry projects.

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

Name of the Course	Initiated during the year

**3. Innovations in curricular design and transaction:**

**(i) Institute of Fisheries Postgraduate Studies, Vaniyanchavadi**

Sl.No	Innovations made
1	New revised syllabus of M.F.Sc and Ph.D approved by BSMA-ICAR is being adopted.

**(ii) TNJFU, Institute of Fisheries Business School, Vaniyanchavadi**

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

**(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) College of Fisheries Engineering, Nagapattinam**

Name of the programme	Started during the year
1. Continuous Assessment	Encouraging a variety of assessment methods, such as project work, presentations, practical exams, and portfolios.
2. Feedback Mechanisms	<ul style="list-style-type: none"> <li>Implementing systems that provide timely and constructive feedback to students, enabling them to understand their strengths and areas for</li> </ul>

	improvement. <ul style="list-style-type: none"> <li>Promoting the use of feedback as a tool for learning and growth, rather than just a means of evaluation.</li> </ul>
3. Authentic Assessments	Moving away from purely theoretical assessments towards evaluations that reflect the practical aspects of learning.

**5. Examination reforms implemented:**

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

Name of the reforms	Implemented during
Question paper bank has been prepared for Bank UPSC Exams	November 2023
Conducting of MOCK Exam for competitive Government exams	October 2023

**(ii) institute of Fisheries Biotechnology, Vaniyanchavadi**

Name of the reforms	Implemented during
Online exams	Online examination resources are available with the institution for all the courses of B.Tech.(Biotechnology) degree programme.

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

**(i) Fisheries College & Research Institute, Thoothukudi**

Name of the Candidate	Qualified in
Abinsha Alex.,	ICAR - JRF
Afrin Banu.A.,	ICAR - JRF
Agalya.B.,	ICAR - JRF
Ajeth Kumar, K	ICAR - JRF
Amala Nivi.V.,	ICAR - JRF
Anbarasan.M.,	ICAR - JRF
Aswin Julie.D.,	ICAR - JRF
Blessyca Sharon, J.,	ICAR - JRF
Eupho.C J.,	ICAR - JRF
Evangelin.J.,	ICAR - JRF
Gokul.S.,	ICAR - JRF
Hariharan.V.,	ICAR - JRF
Harini, G.,	ICAR - JRF
Harispandian.S.V.,	ICAR - JRF
Janani.N.,	ICAR - JRF
Litha Cerbal, V.,	ICAR - JRF
Madhav.K .,	ICAR - JRF
Maria Godson.D.,	ICAR - JRF



Mariselvammurugan, A.,	ICAR - JRF
Peer Mohamed Nawfal Hassan	ICAR - JRF
Pragatheesh Kumar.J.,	ICAR - JRF
Ramya Veena.M.,	ICAR - JRF
Santhosh Kumar, M.,	ICAR - JRF
Umamaheshwari. T.,	ICAR - JRF
Islavath Mounika	ICAR - JRF
Lakshmi, J.,	ICAR - JRF
Pooja Pushpangathan	ICAR - JRF
Sanjay Kumar S.	ICAR - JRF

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

List of Students Cleared AIEEA – PG from Dr.M.G.R. FC&RI, Ponneri

Name of the candidate	Qualified in
Mr. T. Raavinsree	ICAR - AIEEA
Mr. P.S. Prathib	ICAR - AIEEA
Mr. K. Britisha	ICAR - AIEEA
Mr. S. Bhavani	ICAR - AIEEA
Mr. M. Mohankumar	ICAR - AIEEA
Ms. J. Joselin Karunya Mary	ICAR - AIEEA
Mr. R. Maheshwaran	ICAR - AIEEA
Ms. A. Josphin Verona	ICAR - AIEEA
Mr. M. Alwin Peter	ICAR - AIEEA
Mr. A. Mathivanan	ICAR - AIEEA
Mr. K. Kavinessh	ICAR - AIEEA
Mr. Sri Santhosh Ram	ICAR - AIEEA
Mr. P. Murugan	ICAR - AIEEA
Ms. K. Rithika	ICAR - AIEEA
Mr. P. Illangamani	ICAR - AIEEA

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

Name of the Candidate	Qualified in
K. Surya	ICAR - AIEEA
V. Mahendra Varman	ICAR - AIEEA
S. AnvitaSreemathi	ICAR - AIEEA
R. R. Jothisri	ICAR - AIEEA
V. Gowsika	ICAR - AIEEA
K. Vignesh	ICAR - AIEEA
P. Nathina	ICAR - AIEEA
S. Tamilprakash	ICAR - AIEEA
S. Soumiya	ICAR - AIEEA
N. Samaya Prakash	ICAR - AIEEA
C. Vasanth	ICAR - AIEEA
R. P. Kaviya	ICAR - AIEEA

**7. Initiative towards faculty development programme**

**(i) Fisheries College & Research Institute, Thoothukudi**

Sl.No	Initiative taken towards faculty development programme
1	It was planned to conduct a workshop on "Blended Learning Platform" at FCRI, Thoothukudi during 19 – 20, December 2023 in coordination with ICAR Nodal Cell, TNJFU. But, it was shifted to Dr. MGR FCRI, Ponneri and postponed to 8 <sup>th</sup> and 9 <sup>th</sup> February, 2024 as flood occurred in the third week of December 2023 ravaged all the computer systems and infrastructures in the ground floor of all the departments, AV Hall and library.

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

Sl.No	Initiative taken towards faculty development programme
1	Training programmes will be attended by the faculty to improve their skills in teaching and research

**(iii) Directorate of Incubation and Vocational Training in Aquaculture, Chennai**

Sl.No	Initiative taken towards faculty development programme
1.	The faculty development through sending the faculty for attending CAFT programs is always encouraged.
2.	Faculty will be sent to CAFT programs once the CBP portal will be updated for training programs.

**8. Total number of seminars/workshops/conferences conducted**

**(i) Fisheries College & Research Institute, Thoothukudi**

Name of the Seminars/Workshops/conference	Date
One day training programme on "Water quality management in aquaculture systems"	12.12.2023
Livelihood upgradation of fisherwomen of Thoothukudi District through training on Gill Net Designing, Assembling and Mending	11.10.2023 - 18.10.2023
Livelihood upgradation of fisherwomen of Thoothukudi District through training on Gill Net Designing, Assembling and Mending	08.11.2023 - 16.11.2023
National Webinar on "Challenges and Opportunities for Sustainable Development and Management of Marine Fisheries in India"	21.11.2023 (in commemoration of the World Fisheries Day)
Webinar on "Trends in seafood certification"	07.12.2023

**(ii) College of Fish Nutrition and Food Technology, Madhavaram**

Name of the Seminars/Workshops/conference	Date
Webinar was conducted for the B. Tech. Food Technology students in association with INDOCERT on "HACCP Orientation" using Google meet platform. The guest speaker	07.10.2023

for the session was Mr. Adarsh Jayaprakash, Sales officer, INDOCERT	
College of Fish Nutrition and Food Technology organised the 'WORLD FOOD DAY'. Three events were organised as a part of the World Food Day celebration: 1. A Seminar by Ms. G. Bhavani, Director and Head, Chennai Branch Office, Bureau of Indian Standards on "WATER IS FOOD, WATER IS LIFE. LEAVE NO ONE BEHIND" 2. An Intercollegiate MILLET SNACK COMPETITION A Millet Expo	18.10.2023
A webinar was conducted for the B. Tech. Food Technology students in association with F1rstMR on "A MASTERCLASS ON UNDERSTANDING FOOD LABELS" using TooTLabs platform. The guest speaker for the session was Ms. Sanjana Suresh, Research Associate, F1rstMR.	29.11.2023
The students of College of Fish Nutrition and Food Technology attended a webinar organised by All-India Council for Technical Education (AICTE) on the topic "LIFE HISTORY OF DR. SRINIVASA RAMANUJAN" to commemorate the birth anniversary of the great Indian mathematician Srinivasa Ramanujan, on 18.12.2023 through Webex Meetings	18.12.2023

**(iii) Directorate of Incubation and Vocational Training in Aquaculture, Chennai**

Sl.No	Initiative taken towards faculty development programme
1.	The faculty development through sending the faculty for attending CAFT programs is always encouraged.
2.	Faculty will be sent to CAFT programs once the CBP portal will be updated for training programs.

**9. Research projects a) Ongoing b) completed  
(i) Fisheries College & Research Institute, Thoothukudi**

**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. C. Judith Betsy	Livelihood improvement of women through skill development in ornamental fish farming with special emphasis on production of attractive and high-quality	DSIR	Rs. 25.0 lakhs	<ul style="list-style-type: none"> <li>Flowerhorn were purchased on 20.10.2023</li> <li>Experimental diets (14 nos) were prepared from 21.11.2023 to 29.11.2023</li> <li>Feeding experiment was commenced on 06.12.2023</li> </ul> Training manual and booklet were prepared

		ornamental fishes			
2.	Dr. D. Manimekalai	Evaluation of enriched bacterial consortium for the treatment of ammonia and nitrite in aquaculture waste water	TNSCST, Chennai	Rs. 1.75 lakhs	<ul style="list-style-type: none"> <li>First installment received. Date of start for the scheme is 25.09.2023. Waste water from aquaculture farm is collected.</li> <li>Enrichment of Samples (John, Sreekumar, &amp; Jisha, 2016) in mineral medium containing ammonium sulphate or potassium nitrite as the sole nitrogen source is being carried out.</li> </ul>
3.	Dr. R. Shalini Assistant, Professor and Head	Self-financing scheme on "Quality analysis of fish samples"	Revolving Fund	Self - financing	No. of samples analysed:40 Total Income: Rs.38,000/-
4.	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	Rs. 4.395 lakhs	<ul style="list-style-type: none"> <li>Discussion held with the ADF (Fishing Harbour Management Wing), Thoothukudi and President and Secretary of Labour Association, Thoothukudi for pilot survey on 04.10.2023</li> <li>Attended the Project review meeting at ICAR-CMFRI, Cochin from 06.11.2023 to 09.11.2023</li> <li>Did presentation on Pilot survey conducted at Thoothukudi, Cuddalore, Ramanathapuram and Mayiladurai districts</li> <li>Discussion held to finalise the survey schedules and plan of action for the next quarter</li> </ul>
5.	Dr. N. Jayakumar, Professor & Head	Assessment of spawning seasonality of Major marine fishery groups along the coast of Tamil Nadu for sustainable	Tamil Nadu Innovation Initiatives (TANII)	Rs. 146.80 lakhs	Detailed below

		fishery management			
	<ul style="list-style-type: none"> <li>The specimens of major marine fish species were collected periodically from seven major fish landing centres namely, Chennai Royapuram Fishing Harbour, Cuddalore Fishing Harbour, Nagapattinam Fishing Harbour, Ramanadhapuram Fishing Harbour (Pamban), Thoothukudi Fishing Harbour, Chinnamuttom Fishing Harbour and Colachel Fishing Harbour where trawlers land huge quantity of fishes. The morphometric measurements like total length/fork length and total weight were taken for all the specimens collected. The number of males and females was recorded for each species to determine the sex ratio.</li> <li>Fish catch composition data were collected and assessed during sampling. The specimens were dissected out and 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. Likewise, the fecundity of all the species collected was estimated. Ova diameter was measured using an ocular micrometre to ascertain intra-ovarian periodicity</li> <li>Histology of gonads was done</li> <li>Plankton sampling was done for the collection of eggs and larvae of fishes and eggs and larvae were identified</li> <li>Steps are being taken to purchase Electrophoresis along with accessories through GeM.</li> <li>Received approval of the purchase committee and Finance Officer, TNJFU for purchasing two units of Automated Microtome Order through GeM portal. Accordingly, an order was placed for the purchase of two units of Automated Microtome.</li> <li>Data collected were analyzed and interpreted. An interim report was submitted to the State Planning Commission and requested for the release of the 2<sup>nd</sup> instalment through the proper channel</li> <li>A purchase order was placed for the two units of Automated Microtome.</li> <li>Steps are being taken to purchase Electrophoresis along with accessories through GeM.</li> <li>An interim report on the work carried out in the first year of the project along with a request for the release of second-year budget was submitted to the SPC.</li> <li>Release of the second-year budget of Rs. 46.65 lakh is being awaited to carry out the work proposed in the second year of the project.</li> </ul>				
6.	Mr. C. Sudhan Principal Investigator	Digital solutions for sea turtle conservation in south Tamil Nadu	TNJFU-JTRF Scheme (2021-22)	Rs. 1.70 lakhs	Detailed below
	<ul style="list-style-type: none"> <li>Submitted extension letter for one year for testing the developed android mobile application and blog</li> <li>Submitted advance adjustment bill and next advance request for the android mobile application and online blog developed maintenance</li> <li>Coastal survey conducted along Thoothukudi coast, Tamil Nadu</li> <li>Beta-version of developed mobile application was launched for test drive</li> </ul>				

7.	Dr. N. Jayakumar Principal Investigator	Assessment of <i>Portunus pelagicus</i> stock based on length-frequency, length based spawning potential ratio, size at first maturity and occurrence of berried female caught in bottom set gillnet from Palk Bay region	Crab Meat Processors Association, Thoothukudi	Rs. 5.00 lakhs	<ul style="list-style-type: none"> <li>Collected and identified the crab and other fish specimens caught in the bottom set gill net from the selected fishing villages situated in the Palk Bay region</li> <li>Collected length and weight data of the blue swimming crab caught in the bottom set gill net</li> <li>Collected occurrence data and length and weight data of the berried blue swimming crab caught in the bottom set gill net</li> </ul>
8.	Dr. R. Durairaja	Assessment of biodiversity and biomass of non-target fish species caught in bottom set gillnet fishery targeting blue swimming crab in Palk Bay region	Crab Meat Processors Association, Thoothukudi	Rs. 4.00 lakhs	<ul style="list-style-type: none"> <li>Collected data and specimens from the selected fishing villages</li> <li>Identified berried blue swimming crab and other non-target fishes</li> </ul>
9.	Dr. B. Chrisolite – PI Dr. P. Sivasankar – Co-PI	National Surveillance programme for Aquatic Animal Diseases – Phase II	PMMSY through ICAR-NBFGR	Rs. 52.20 lakhs	Detailed below

**Sample collection:** Thirty six (36) *P. vannamei* samples were collected from Ramanathapuram, Pudukkottai, Thanjavur and Nagapattinam district shrimp farms.

**Analysis:** The *P. vannamei* (36 samples) were analyzed for the presence of WSSV by PCR. One sample gave positive result for WSSV.

Thirty six samples (*P.vannamei*) samples were analyzed for EHP. Out of the Thirty six samples, seven samples gave positive result for EHP.

Out of the twenty five samples, all samples gave negative result for IHNV.

**Bacteriology:** Sixty bacterial isolates were isolated from shrimp samples and stored for further analysis of AHPND.

**Fish Analysis:**

## Cells culture

Currently the following the cell lines were split regularly and maintained in the cell culture:

SSN1 –P1102, SBCP2a- P482, SBCP2 –P731, BF2 – P720, Fusion flask – P495, EPC-494, CFSP – P494, CFBR –494, CFBR4-534, CFFN2- 431, Kio Gill-279.

- Brain, kidney, spleen and eye (Pooled) of Snake head fish and Tilapia collected from Tirunelveli fish market and fish farm were processed in SSN1 and EPC cell line for the presence of viral agent and found cytopathic effects in EPC cell line. The analysis gave positive for Tilapia parvovirus. The analysis gave negative result for TiLV.
- Brain, kidney, spleen and eye (Pooled) of Snake head fish, Tilapia, collected from Thanjavur fish farm were processed in SSN1 and EPC cell line for the presence of viral agent and found cytopathic effects in EPC cell line.
- Further, it was confirmed as Tilapia parvovirus by PCR. The analysis gave negative result for TiLV.
- Brain, kidney, spleen and eye (Pooled tissues) of Snakehead fish and Tilapia samples, collected from Thirumalaikeni fish farm in Dindigul district were processed in SSN1 and EPC cell line for the presence of viral agent.

10.	Dr. P. Ganesan Project Coordinator	Establishment of Marine Products Business Incubation Centre	EDII, Chennai	Rs. 250 Lakhs	Developed different technologies for producing value added fish and fishery products.
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### EDII-MPBIF related activities

- Filled ITR for EDII-MPBIF, DFPT, FCRI, Thoothukudi for the FY 2022-23.
- Submitted achievements of EDII-MPBIF for the budget speech 2024-25 to the Dean on 15.12.23.
- Equipment erected Low Precision Balance

11.	Dr. P. Ganesan Hub Coordinator	Innovation and Entrepreneurship Development Programme (IEDP)	EDII, Chennai	Till now received Rs. 3,73,851/-  Further, the upcoming fund will be received then and there during the conduct of the programs and salary for each month	--
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### b) Completed Research projects

Sl.No	Name of the faculty	Title of the project	Funding Agency	Budget of the project	Salient Research findings
1.	S.	Improvement of	TNJFU	Rs.	Detailed below

	Mariappan Asst. Professor	catch efficiency of wire mesh fish traps for reef fishery of Therespuram fishing village of Thoothukudi District		1.10 lakhs	
<ul style="list-style-type: none"> <li>Conducted two experimental fishing trials per month</li> <li>Catch details were collected from the experimental fish traps</li> <li>Data analysis was carried out</li> <li>Preparation of project report is under progress</li> <li>Prepared one research article from the project</li> </ul>					

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

a) Ongoing Research projects

Sl. No	Name of the faculty	Title of the project	Funding Agency	Budget( Lakhs)	Salient Research findings
1.	Dr.Mahadevi	Cost effective captive breeding technology for <i>Channa striata</i> (Striped Murrel) for field level adoption.	TNSLURB Ongoing	15.18	The facilities for brood stock rearing and breeding have been created. Standardization of breeding of striped murrel using pituitary gland extract from pituitary collected from different fishes is in progress. Collection of fish brooders and rearing for Breeding trials in progress.
2.	Dr.A.Uma	Integrated Disease Surveillance monitoring system and seed quality assessment to Augment Aquaculture Production in Tamil Nadu at TNJFU - Madhavaram campus (18.10.2021 to 31.3.2024)	NADP Ongoing	130.60	Emerging disease like Tilapia lake virus and Tilapia parvo virus were documented in the disease surveillance  Purchase of equipment in process
3.	Dr. S. Saravanan	Standardization of Invitro propagation of commercially important seaweed of <i>Gracilaria</i> sp in the	TNJFU-JTRF	2.00	The seaweeds were sub-cultured in the weekly once and replenished by nutrient media and provided proper aeration. Provided 12 hours of dark and



		Pazhaverkaduregion for the mass multiplication through tissue culture			12 hours of light required for photosynthesis and conditioning have been done. The preparation of stock solution for nutrient median and growth hormones
4.	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 Ongoing	2.00	Collected and identified 25 species of Clupeiformes fishes in Chennai and Nagapattinam, Coromandel coast of India. Among the clupeiformesfishes 5 species length frequency and catch and efforts details were collected for stock assessment.
5.	Mrs. S. Aruna	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 3Towards Fishing Pressure Reduction and Livelihood Improvement of Fisherfolk in the Lake Region	TANII	430.66	<ul style="list-style-type: none"> <li>Submitted the request for scheme Extension</li> <li>Collected fish landing particulars from AR sites</li> <li>Physicochemical characteristics of water, plankton and benthos samples were analysed</li> </ul>
6.	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	<ul style="list-style-type: none"> <li>In the Pulicat lagoon water samples were collected from the sampling sites and the physico-chemical parameters were analysed.</li> <li>Water quality parameters were recorded in Pulicat lagoon</li> </ul>

					<p>water samples.</p> <ul style="list-style-type: none"> <li>• Quantitative and qualitative analysis of plankton were carried out using water sample collected from Pulicat lagoon. Phytoplanktonic groups like Dinoflagellates, Diatoms, Cyanobacteria and also zooplanktonic groups like Copepods, Gastropod larvae, Doliolids, Fish eggs, Decapod larvae etc., were observed and recorded.</li> <li>• Benthos samples collected from the Pulicat lagoon and the species were identified.</li> <li>• Gut content analysis were performed for the samples collected from the Pulicat lagoon</li> </ul>
7.	Mrs.S. Agnes Daney Angela/ Dr. LlyodChrispin	Socio – Economic and Environmental impact study of shrimp farms and hatcheries in selected districts of Tamil Nadu. (03.01.2022 to 31.12.2023)	TNJFU Research Corpus Fund	14.98	Consolidation of information given by the key informants on socio-economic impact Regular sampling in Chengalpattu and Villupuram. As stocking has not been started in Nagapattinam and Mayiladuthurai.

b) Completed Research projects: Nil

### (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.Ramar	Design and development of nanogenerator from crustacean shell waste	TNJFU- JTRF	Rs.2,00,000/-	<p>1. TNJFU- JTRF - Physical and Financial progress report prepared and submitted to the DR, TNJFU</p> <p>2. Different type of time duration experiment conducted for piezo electric tiles</p>
2.	Dr.M.Kamala	Design and	TNJFU-	Rs.2,00,000/-	quotation document process

	kannan	Development of IoT based smart fish grading system	JTRF		was completed for updating fish grading system
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b) Completed Research projects: Nil

**(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"> <li>The checklist has been prepared for submitting the project interim report from September 2022 – August 2023.</li> <li>Fish sampling was carried out in Nagapattinam region and totally 18 species of fishes were collected and identified</li> <li>Assessed the biological parameters such as Gastro-somatic index, Hepato-somatic index, sex-ratio, number of matured individuals, length at first maturity, relative condition factor for 69 species identified as dominant from Nagapattinam and Cuddalore districts.</li> <li>All the field data were entered in the excel database</li> </ul>

**University Funded Projects**

1.	Mrs. S.J. Abisha Juliet Mary Assistant Professor	Spatial Distribution of $\beta$ -Lactam Resistance genes among <i>Vibrio</i> spp. Isolated from Shrimp farms of Vedaranyam	TNJFU – JTRF	2 lakhs	<ul style="list-style-type: none"> <li>The bacterial samples were sent for sequencing and identification of species level <i>Vibrio</i> isolates were done.</li> <li>Molecular analysis of beta-lactam genes and other genes were carried out for the 236 samples.</li> </ul>
2.	Mr. S. Kesavan Assistant Professor	Assessment of microplastics and debris abundance in point Calimerewetland and Muthupet mangrove	TNJFU – JTRF	1.70 lakhs	<ul style="list-style-type: none"> <li>Quotation has been received for chemicals &amp; glassware</li> </ul>

		ecosystems			
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	Data compilation and report preparation is in progress.

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"> <li>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</li> <li>Studied the effect of environmental parameters on the expression of virulence genes of <i>V.vulnificus</i></li> <li>Studied the antibiotic susceptibility of the <i>V. vulnificus</i> isolates</li> <li>Antibiotic susceptibility of the 184 selected isolates was evaluated against the selected antibiotics using the disc diffusion method.</li> <li><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.</li> <li>Virulent gene expression studies were carried out.</li> </ul>

**University Funded Projects**

1.	Mrs.S.Vimaladevi, Assistant	Development and standardization of	TNJFU JTRF	– 2 lakhs	Water-soluble chitosan (WSC) based products
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	Professor	health drink from Bio-modulated chitosan			<p>were formulated and the products were found to decrease fat accumulation in adipocytes.</p> <ul style="list-style-type: none"> <li>• WSC based products were found to be safe for consumption and the developed products can be used as anti-obesity food products.</li> </ul>
2.	Mr. V. Vijayarahavan, Assistant Professor	Formulation of Ulva based jam products	TNJFU - URP	0.30 lakhs	<ul style="list-style-type: none"> <li>• Developed Ulva Jam and assessed its nutritional properties.</li> <li>• The Shelf life of the seaweed Jam was found to be 6 months.</li> </ul>
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"> <li>• Shrimp samples were collected from the selected 12 sites.</li> <li>• A total of 92 bacterial isolates were isolated and characterised</li> <li>• 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>.</li> <li>• AST was done for 13 <i>Aeromonas hydrophila</i> isolates and 15 <i>E. coli</i> isolates.</li> <li>• Shrimp samples were collected from the selected 12 sites and isolation of bacteria was done.</li> <li>• Biochemical characterization was done for each isolate.</li> </ul>
4.	Mr. V. Durai Assistant Professor	Investigation on the catching efficiency of Monofilament And Multifilament Gillnets being operated selected fishing villages of Nagapattinam	TNJFU –URP	0.3 lakhs	<ul style="list-style-type: none"> <li>• 12 months work has completed regarding data collection.</li> <li>• CPUE calculation estimation was done. Works is in progress for two-way ANOVA tool.</li> <li>• Catching efficiency of multifilament was better</li> </ul>

		District			than monofilament.
5.	Mrs. M. Muthu Abishag Assistant Professor	Studies on the low temperature preservation of microalgae ( <i>Navicula</i> sp.) isolated from shrimp farms	TNJFU –URP	0.45 lakhs	<p>10. The pure culture of <i>Navicula</i> sp. can be obtained by serial dilution and incubation in f/2 Guillard media at 27-28°C at 100 lux for about 15-20 days.</p> <p>11. 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"> <li>• Final report was submitted on January, 2023</li> </ul>
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"> <li>• 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).</li> <li>• 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.</li> <li>• Final report was submitted on January, 2023.</li> </ul>
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"> <li>• The mean average marine debris in Point Calimere wetland is estimated as <math>1.23 \pm 1.17</math> count/m<sup>2</sup>.</li> <li>• Among the plastic, plastic rope and fishing</li> </ul>

					<p>net contributed around 74% indicating the prevalence of fishing related debris in this region.</p> <ul style="list-style-type: none"> <li>• Shoreline/recreational activities and Ocean/waterway activities (mainly fishing) are the major source of debris pollution in Point Calimere wetland.</li> <li>• In terms of number, Plastic contributed more to the pollution followed by clothes indicating the rural dumping of clothes into the coastal region.</li> <li>• A total of around 40 species of molluscan has been identified from the Point Calimere wetland.</li> </ul>
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>	TNJFU's Business Incubators in Aquaculture and Fish Processing to promote start-ups integrated Fisheries Entrepreneurship in Tamil Nadu State	NADP	72 lakhs	<ul style="list-style-type: none"> <li>• Conducted training programmes for fishing communities on value added fish products.</li> <li>• Incubation centre for fish products was established</li> </ul>

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

**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 adaptation in <i>Etroplus suratensis</i> (Pearl spot) for climate resilient aquaculture	ICAR-NICRA	Rs. 33.5 Lakh	Sequencing is under progress.
2.	Dr. V. Kaliyamurthi	Understanding the mechanism of	DST SERB – CRG	Rs. 45 Lakhs	First year allotment of Rs. 18.00 lakhs

		resveratrol and IL-17 knockdown on macrophage via NFκB signaling pathway under Metabolic stress conditions			has been released. IAEC clearance obtained. Project initiated.
3.	Dr. Ambika Binesh	1. Investigation on molecular crosstalk of inflammatory hub NFκB and NICD using zebrafish model	DST SERB – SRG	Rs.31.1 Lakhs	First year objectives completed. Second year installment has been released and is under progress.
		2. Exploration of the Notch signaling pathway in regulating macrophage differentiation and IL-6 expression in deep vein thrombosis: Insights from Notch knockdown studies	ICMR - IIRP	69 lakhs	Sanctioned and awaiting for funds to be released.

b) Completed Research projects: Nil

**(vi) College of Fish Nutrition and Food Technology, Madhavaram**

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. Usha Antony, Dean & Dr. K. Hema, Assistant Professor	Development of Fish Masala	Aproanch Masala Industry	Rs. 1,00,000/-	-

b) Completed Research projects: Nil



**(vii) Directorate of Incubation and Vocational Training in Aquaculture,  
Chennai**

**a) Ongoing Research projects**

Sl.No	Name of the faculty	Title of the project	Funding Agency	Budget of the project (in lakh)	Salient Research findings
1.	Dr. P. Chidambaram	Establishment of Fisheries demonstration units at AIRLIVAAS	NABARD & Govt. of Tamil Nadu	267.0	<ul style="list-style-type: none"> <li>Ornamental fish brood stock has been purchased.</li> <li>Aquaponics technology transfer has been done for seven farmers.</li> <li>Training and Demonstration of Technology is being done.</li> </ul>
2.	Dr. P. Chidambaram	Development of Dry Land Integrated biofloc tank and farm pond polyculture system for adoption in fallow land region of Salem District	TNSLURB	11.18	<ul style="list-style-type: none"> <li>Technology transfer for 20 farmers has been provided.</li> <li>Standardisation of Polyculture system is being carried out</li> </ul>
3.	Dr. P. Chidambaram	Empowerment of Artisanal Fisherfolk of Pazhaverkadu area through Mud Crab Culture Technology	PMMSY	116.0	<ul style="list-style-type: none"> <li>Crab hatchery unit is being established</li> <li>Culture of crabs in floating cages is being done</li> </ul>
4.	Dr. Mir Ishfaq Nazir	Nutrigenomic studies on feed development for larvae of striped Murrel ( <i>Channa striata</i> )	DBT, India	50.38	<ul style="list-style-type: none"> <li>Transcriptomic analyses of samples is going on.</li> </ul> <p>The purchase of homogenizer and Laminar Air Flow has been initiated through GeM portal.</p>
5.	Dr. Mir Ishfaq Nazir	Tamil Nadu Irrigated Agriculture Modernization Project (TN IAMP)" –	World Bank	9.0	<ul style="list-style-type: none"> <li>Standardization of murrel feed for dissemination to farmers field trial.</li> </ul>

		Component III			
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b) Completed Research projects: Nil

**12. Patents generated, if any (Patents filed, published and awarded): Nil**

Patent Granted	Patent No.	Date

**13. New collaboration research programmes:**

**(i) Institute of Fisheries Postgraduate Studies, Vaniyanchavadi**

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

**14. Research grants received from various agencies:**

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

Sl.No.	Name of the Research Grant	Year	Agency Name	Amount (Rs.)
1	GenomeTrakr network programme	2023 (Submitted the proposal)	US FDA- GenomeTrakr network programme	52.10 Lakhs

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

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

**15. Details of research scholars**

**(i) Fisheries College & Research Institute, Thoothukudi**

Sl. No.	Name of the Research Scholar and ID.No. of the scholar	Batch	Degree	Title of Research	Research findings and status
1.	Ms. Bavithra DPF (T) 16030 (FRM) (Part-Time), MRC of ICAR-CMFRI, Ramanathapuram	2016- 17	Ph.D.	Integrative taxonomy of selected marine Ariid catfishes of south Tamil Nadu	Final viva-voce exam being awaited
2.	Mr. Mahesh Chand Sonwal,  I-18-TN-03-002-D-F-011 (FRM)	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,	Ccnducted final Viva voce on 16.08.2023

				Tamil Nadu coast	
3.	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	Final viva-voce exam being awaited
4.	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	Ongoing
5.	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	Final viva-voce exam being awaited
6.	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	Ongoing
7.	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	Ongoing
8.	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	Ongoing
9.	Ms. Adyasha Sahu, U-16-OD-01-005-B-F-003	2022-23	Ph.D.	Ecomodelling of Manakudi estuary, Kanyakumari, Southern Coast of Tamil Nadu	Ongoing
10.	Ms. Kamei Ringjonmeilu, U-16-TR-01-004-B-F-009	2022-23	Ph.D.	Ecomodelling of Punnakayal-Pazhayakayal Estuarine Complex, Thoothukudi, Southern Coast of Tamil Nadu	Ongoing
11.	M. Ponmani	2022-23	Ph.D	Assessment of spatio-temporal variation of marine litter along the beaches and mangrove ecosystem of Thoothukudi coast	Detailed below
	<ul style="list-style-type: none"> <li>Collection of literature relevant to the research topic and credit seminar was carried out.</li> <li>Preliminary survey of the sampling location was conducted.</li> <li>Collection of marine litter from Roche Park and Inigo Nagar was carried out.</li> <li>The collected litter was documented in the NOAA Marine Debris Shoreline Survey Field Guide data sheet.</li> <li>The observation was duly noted.</li> <li>A popular article titled "Biosensors for Environmental monitoring" was published.</li> </ul>				

12.	M.J. Thamarai Selvi	2022-23	Ph.D	Synergistic effect of pH and temperature on the toxicity of lead (Pb) and Low Density Polyethylene Microplastics (LDPE-MPs) on marine microalgae <i>Nannochloropsis gaditana</i>	Detailed below
	<ul style="list-style-type: none"> <li>Literature collected related to the research topic and credit seminar.</li> <li>Comprehensive Qualifying Examination completed on 02.11.2023</li> <li>The selected microalgal species <i>N.gaditana</i> was optimized under indoor culture condition.</li> <li>The maximum cell density of <math>23.5 \times 10^6</math> cells/ml was obtained on 14<sup>th</sup> day of culture grown at 5000 lux on 12:12 h L:D cycle at <math>26 \pm 2^\circ\text{C}</math>.</li> <li>Optimization of culture condition was carried out using algal photobioreactor.</li> <li>Mass production of algal biomass was carried out using algal photobioreactor based on the optimised culture condition.</li> <li>The maximum wet biomass of 1.2 g/l was achieved on day 12 of the cultured biomass.</li> <li>The standard graph was prepared for protein analysis using bovine serum albumin.</li> <li>The maximum absorbance for protein was measured using the spectrophotometer on day 12 of the cultured biomass and it shows maximum protein content of 0.9 mg/l.</li> </ul>				
13.	P. Ramesh	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"> <li>Literature related to research work and credit seminar were collected.</li> <li>Soil and water samples were collected from selected stations (S1 Thoothukudi, S2 Pazhayakayal and S3 Punnakayal).</li> <li>The collected water and soil samples were analyzed for physico-chemical parameters.</li> <li>At station 1, the water quality parameters such as Temperature, Salinity, pH, Dissolved Oxygen, Nitrite, Nitrate, Ammonia and Phosphate were analyzed using standard procedure. The observed values are <math>27^\circ\text{C}</math>, 28 ppt, 8.2, 3.5 mg/l, 0.0746 mg/l, 0.2312 mg/l, 0.5124 mg/l and 0.0532 mg/l respectively.</li> <li>At station 2 (Pazhayakayal), the water quality parameters such as Temperature, Salinity, pH, Dissolved Oxygen, Nitrite, Nitrate, Ammonia and Phosphate were analyzed using standard procedure. The observed values are <math>26.5^\circ\text{C}</math>, 36 ppt, 8.4, 3.9 mg/l, 0.0042 mg/l, 0.0454 mg/l, 0.1421 mg/l and 0.0142 mg/l respectively.</li> <li>At station 3 (Punnakayal), the water quality parameters such as Temperature, Salinity, pH, Dissolved Oxygen, Nitrite, Nitrate, Ammonia and Phosphate were analyzed using standard procedure. The observed values are <math>26^\circ\text{C}</math>, 34 ppt, 8.6, 4.8 mg/l, 0.0034 mg/l, 0.0391 mg/l, 0.3054 mg/l and 0.2704 mg/l respectively.</li> <li>At station 1,2 and 3, a total of 21 finfish species belongs to 9 orders, 15 families and 20 genera were recorded.</li> <li>At station 1,2 and 3, a total of 4 shellfish species belongs to 1 order, 2 families and 3 genera were collected. Details of student projects/experiments conducted.</li> <li>Raster imageries were collected from USGS Earth explorer.</li> <li>Plankton samples were collected, biomass and species diversity were estimated.</li> <li>Published popular article on "Wastewater treatment by method of Ozonation in Aqua star.</li> </ul>				
14.	Chavadi Harini, U-17-TN-03-002-D-	2015-16	Ph.D	Studies on the maturation and spermatology of <i>Penaeus</i>	On-going

	F-002			<i>semisulcatus</i> brooders developed in captivity and cryopreservation of spermatophore	
15.	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
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
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"> <li>Submitted the final thesis and waiting for the final viva-voce</li> </ul>				
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"> <li>Results of the pathogenicity study with ornamental cichlid is under manuscript preparation.</li> <li>Experimental setup has been prepared for vaccination study with TiLV.</li> <li>Grass carp was procured and acclimatized to the laboratory conditions for pathogenicity study.</li> <li>Experimental infection of grass carp with TiLV by both intraperitoneal and immersion route was carried out.</li> <li>Experimentally infected fishes have been checked for Clinical signs and mortality. Tissue samples such as kidney and spleen were collected at 7 and 14 dpi and subjected to cell culture and RT-PCR analysis</li> <li>Tissue samples such as kidney, spleen, brain and liver were collected for histopathological analysis</li> <li>Inactivated viral vaccine against TiLV was prepared using cell culture.</li> <li>Prepared inactivated TiLV vaccine was administered as booster dose at 28 dpv to the experimental tilapia fishes.</li> <li>The vaccination experimental set up was totally damaged due to heavy flooding on 18.12.2023</li> </ul>				
19.	A. Karthy 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"> <li>Extended one semester</li> </ul>				
20.	J. Amala Sajeevaa	2021-22	Ph.D.	Design upgradation of serial	Detailed below

	U-21-TN-03-002-D-F-003			collapsible carb trap for sustainable exploitation of crab resources along the coast of Ramanathapuram district	
	<ul style="list-style-type: none"> <li>Twelve fishing trials were conducted with Type 1 experimental fishing trap</li> <li>Preparing research article</li> <li>Writing of introduction and review of literature for thesis is under progress</li> </ul>				
21.	S. Archana U-21-TN-03-002-D-F-003	2021-22	Ph.D.	Investigation on deep sea fishing in selected fishing harbours	Detailed below
	<ul style="list-style-type: none"> <li>Deep sea fish data collection from the station of Thengapattinam and fuel consumption data was collected randomly with a sample size of 15 nos. from the fishermen of thengapattinam</li> </ul>				
22.	R. Velmurugan U-20-TN-03-002-D-F-007		Ph.D	Investigation on the trawl net and seine nets of Chennai and Pulicat coast	Detailed below
	<ul style="list-style-type: none"> <li>Data were collected about design details of trawl net, purse seine and shore seine from Royapuram fishing harbor and Pulicat lake</li> </ul>				
23.	E. Dinesh Kumaar U-20-TN-03-002-D-F-006		Ph.D	Investigation on the Cephalopod fishery of selected maritime districts of Tamil Nadu	Detailed below
	<ul style="list-style-type: none"> <li>Conducted pilot study in Thoothukudi and Ramanathapuram</li> <li>Design details of gill net, trammel net and trawl net used for the exploitation of cephalopods by fishermen of Ramanathapuram</li> <li>Prepared and presented tamil research article in 9<sup>th</sup> Tamil Science Conference</li> </ul>				
24.	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 dobsonii</i> ): Evaluation and quality characterization	Thesis submitted
25.	K. Sravani 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	Received Thesis evaluation report on 15.12.23
26.	B. Deepika U-19-AP-03-006-M-F-001	2021-22	Ph.D	Extraction of bioactive compounds from seaweeds using green technologies and assessment of quality characteristics of seaweed fortified cosmeceutical and confectionery products	Detailed below
	<ul style="list-style-type: none"> <li>Standardised the method for the extraction of fucoidan from brown algae.</li> <li>Microwave extraction of fucoidan were performed.</li> <li>Ultrasound and ultrasound assisted microwave extraction of fucoidan from brown algae were performed.</li> <li>Agar and carrageenan incorporated soap and cream were prepared and bioactive</li> </ul>				

	properties were analysed. <ul style="list-style-type: none"> <li>Standardised the level of seaweed incorporation in to chocolate.</li> <li>Analysed the bioactive active properties of chocolate</li> </ul>				
27.	Mrs. Deepthi Ande (ID No. U-19-TN-03-002-D-F-005)	2019-20	Ph.D.	A critical analysis on the Attitude of shrimp farmers towards private extension services in Andhra Pradesh	Submitted Thesis
28.	Mr. T. Iyyappan (U-18-03-002-M-F-022)	2020-21	Ph.D.	Achievement motivation and attitude of ornamental fish entrepreneurs towards market-led extension in Tamil Nadu	<ul style="list-style-type: none"> <li>Thesis submitted</li> <li>Awaiting for final viva - Voce</li> </ul>
29.	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	Detailed below
	<ul style="list-style-type: none"> <li>Corrected the research manuscript and submitted to the Pakistan Journal of Zoology on 09.08.2023</li> <li>Corrected Thesis chapters</li> <li>Corrected and submitted the Synopsis and Pre-thesis seminar PPT</li> <li>Attended Pre-thesis seminar on 29.08.2023; Attended Part B and submitted thesis on 19.09.2023</li> </ul>				
30.	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"> <li>Survey and Data analysis is in progress.</li> <li>Survey and Data analysis is in progress.</li> </ul>
31.	Mr. Hari Pradas Mohale (U-17-GJ-04-004-M-F-005)	2020-21	Ph.D.	Diversity, Biology and Stock Assessment of lesser studied Penaeids genera of southeast coast of Tamil Nadu	<ul style="list-style-type: none"> <li>CQE Completed</li> <li>Part – B –attended</li> </ul>
32.	Mr. P. Sreenivasan (CIFE student)	2023-24	Ph.D.	Dry Fish Processors in Tamil Nadu: Marketing Functions and Economic Assessment	-Ongoing

33.	Ms. Arni Sanchi G Momim (I-20-TN-03-002-M-F-012)	2023-24	Ph.D.	An analysis of the status, challenges, and future prospects of aquaculture practices in selected districts of Meghalaya state: Special reference to the impact of climate change	Detailed below
	<ul style="list-style-type: none"> <li>Presented the research programme in SRGW and ATR for the minutes was submitted</li> <li>Arrangement made for the conduct of CQE</li> <li>Survey schedule is under preparation</li> <li>Part – A programme completed on 19.10.2023</li> <li>Presented the research programme in SRGW and ATR for the minutes was submitted Survey schedule is under preparation CQE conducted on 08.11.2023</li> <li>Presented the research programme in SRGW and ATR for the minutes was submitted.</li> <li>Survey schedule is under preparation</li> </ul>				
34.	Mr. Sourabh Debbarma U-15-TR-01-004-B-F-012	2023-24	Ph.D.	Efficacy of Herbal based Tamil Nadu variety of Curry leaf ( <i>Murraya koenigii</i> ) extract in Labeorohita fingerlings exposed to Pendimethalin toxicity and it's susceptibility to <i>Aeromonas hydrophila</i> infection.	<ul style="list-style-type: none"> <li>Attended SRGW on 6.10.2023</li> <li>Part A evaluation on 18.10.2023 Comprehensive Qualifying Exam Evaluation by External Expert (26.10.2023) Meeting</li> </ul>
35.	Mr. P. Velmurugan (Part Time Scholar)	2023-24	Ph.D.	Investigation on the fishery of trawl nets and seine nets operated along Chennai and Pulicat Coasts of Tamil Nadu	<ul style="list-style-type: none"> <li>Corrected the PPT for SRGW on 05.10.2023</li> <li>Attended the SRGW on 06.10.2023</li> <li>Attended Part A on 11.10.2023</li> </ul>
36.	M.S. Shamini U-17-TN-03-003-B-F-047	2021-22	M.F.Sc.	Assessment of shellfish bycatch of trawl net fishery of the coast of Kanyakumari, South India	Final viva-voc examination was conducted on 28.12.23
37.	Mr. J. Joyson Paul U-18-TN-03-003-B-F-023	2022-23	M.F.Sc.	Studies on biodiversity, reproductive characteristics and stock assessment of selected carangid fish species along the coast of Gulf of Mannar	On-going
38.	Ms. M. Sharumathi U-18-TN-03-002-B-F-	2022-23	M.F.Sc.	Studies on Biodiversity, Reproductive Characteristics and	On-going



	047			Stock assessment of selected Lutjanus fish species of Gulf of Mannar	
39.	Mr. M. Tamlarasan U-18-TN-03-002-B-F-052	2022-23	M.F.Sc.	Studies on biodiversity, reproductive characteristics and stock assessment of selected cephalopod fish species along the coast of Gulf of Mannar	On-going
40.	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
41.	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
42.	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
43.	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	On-going
44.	Mr.Rishikesh Venkatrao Kadam	2021-22	MFSc	Bioprospecting selected marine microalgae for production of Polyunsaturated fatty acid (PUFA's) from Gulf of Mannar coastal waters	Detailed below
	<ul style="list-style-type: none"> <li>Final viva voce conducted on 01.11.2023.</li> <li>Received and replied reviewers comment of the article submitted for revision.</li> </ul>				
45.	Narsale Swapnil Ananda	2021-22	M.F.Sc	Virulence and Antimicrobial Resistance genes in <i>Vibrio</i>	Completed the viva-voce and

	U-17-MH-03-002-B-F-023			<i>parahaemolyticus</i> from shrimp farms of selected districts of Tamil Nadu in relation to Acute hepatopancreatic necrosis disease (AHPND)	submitted the final thesis
46.	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	Submitted the thesis and waiting for the final viva-voce
47.	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>	Completed the viva-voce and submitted the final thesis
48.	D. Sundareswari 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	Final viva-voce exam being awaited
49.	M. Veeramani U-18-TN-03-005-M-F-030	2022-23	M.F.Sc	Investigations on the fishing gears used for Octopus fishery along the palk bay region of Ramanathapuram district	<ul style="list-style-type: none"> <li>Conducted part A programme on 08.12.2023</li> <li>Collected research articles for review of literature</li> </ul>
50.	Emima U-18-TN-03-002-M-F-007	2022-23	M.F.Sc	Development of artificial fish bait using surimi and bio attractants from fish processing waste	Detailed below
	<ul style="list-style-type: none"> <li>Conducted part A programme on 08.12.2023</li> <li>Collected research articles for review of literature</li> <li>Chemicals were purchased for analytical work</li> </ul>				
51.	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	Thesis submitted on 25.09.2023
52.	Ms.P. Vaineshwari (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 FC&RI, Thoothukudi	-
53.	Ms.P.N.Aishwarya (ID. No. U-18-TN-03-005-B-F-002)	2022-23	M.F. Sc	A study on Public-Private Partnership ventures in Fisheries sector of Tamil	Detailed below

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	<ul style="list-style-type: none"> <li>Revised research proposal submitted. The proposal has been approved.</li> <li>Collection of literatures and pilot study conducted</li> <li>Part – A conducted on 11.12.2023</li> </ul>				
54.	Ms.S.Vivitha (ID. No. U-18-TN-03-002-B-F-059)	2022-23	M.F.Sc	Assessment of knowledge, attitude and perception of fishermen on marine fisheries management and conservation in selected coastal districts of Tamil Nadu	Detailed below
	<ul style="list-style-type: none"> <li>Revised research proposal submitted</li> <li>Collection of literatures and pilot study conducted</li> <li>Part – A conducted on 11.12.2023</li> </ul>				
55.	Ms. Swathi, S. (ID. No. U-18-TN-03-002-B-F-050)	2022-23	M.F.Sc	An analysis on the prospects, issues and challenges of deep sea fishermen in Kanyakumari district, Tamil Nadu	Detailed below
	<ul style="list-style-type: none"> <li>Research proposal prepared and submitted. The proposal has been approved.</li> </ul>				
56.	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"> <li>Conducted Part B and submitted thesis on 25.09.2023</li> <li>Carried out research paper correction work on 03.10.2023</li> <li>Awaiting for External Examiner comments</li> </ul>				
57.	Ms. Jaya Prabha S (I-22-TN-03-002-MF-004)	2022-23	M.F. Sc	Gender impact assessment and entrepreneurship development among the fish workers in Cuddalore and Mayiladuthurai districts of Tamil Nadu	Detailed below
	<ul style="list-style-type: none"> <li>Discussion was held wrt the pilot survey on 03.10.2023</li> <li>Discussion held to finalise the SS for research</li> <li>Conducted Part A for III semester on 8.12.2023</li> </ul>				
58.	Mr. Thayala Arjun G. (U-22-TN-03-002-MF-003)	2022-23	M.F.Sc.	Assessment of Labour Productivity and Livelihood Capitals of Maritime Labours in	Detailed below

				Ramanathapuram and Thoothukudi Districts of Tamil Nadu	
	<ul style="list-style-type: none"> <li>• Discussion was held with the pilot survey on 03.10.2023</li> <li>• Discussion held to finalise the SS for research</li> <li>• Conducted Part A for III semester on 11.12.2023</li> </ul>				

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

Sl. No.	Name of the Research Scholar and ID.No. of the scholar	Batch	Degree	Title of Research	Research findings and status
1.	Mahalakshmi.S U-21-TN-03-003-M-F-003 Fourth Semester 2021-2022 batch	M.F.Sc 2021-2022 batch	M.F.Sc	Studies on the effect of biofloc on growth performance, coloration and disease resistance in the peacock cichlid <i>Aulonocarpus</i> (Regan, 1922)	Thesis has been submitted
2.	VENKATESHWARA D U-22-TN-03-003-M-F-001 Third semester	PG 2022-2023 batch	M.F.Sc	Dietary supplementation of selected seaweeds on growth performance, enzyme activity, disease resistance and immune Response in <i>Etroplus suratensis</i> (Bloch, 1790)	Research works initiated Standardization of fermentation of seaweeds is in progress
3.	VIGNESH P U-18-TN-03-003-B-F-059 Third Semester	PG 2022-2023 batch	M.F.Sc	Studies on fermented duck weed ( <i>Lemna minor</i> ) meal as a potential substitute for fish meal replacement in diets of Climbing perch, <i>Anabas testudineus</i> (Bloch, 1792)	Research works initiated Standardization of <i>Lemna</i> in ponds is in progress
4.	Ng Chinglembi Devi U-16-TR-01-004-B-F-007 Second semester	Ph.D 2022-2023 batch	Ph.D	Utilization of fruit peels as phytogenic feed additives on growth performance, pigmentation, and immune responses in Gold fish and Koi carp.	Fruit peels processing and proximate composition with total carotenoids estimation is in progress.
5.	Priyatharshni.A U-20-TN-03-003-D-F-003	Ph.D. 2020-2021 batch	Ph.D	Studies on seaweed supplemented diets on growth performance, digestibility, immune and stress responses in GIFT ( <i>Oreochromis niloticus</i> )	Rough bound thesis submitted on 22.09.2023.
6.	Ajidhaslin.S U-21-TN-03-003-D-F-001	Ph.D. 2021-2022 batch	Ph.D	Optimization of inclusion of vegetable protein ingredients in feed formulations of snakehead	Fifth Semester Research is in progress

				fish, <i>Channa striata</i> (Bloch, 1793).	
7.	Mr. SALKAPURAM SANDEEP KUMAR DOR 10.01.2023 Second semester	PG	-	Studies on the development of broodstock diet containing <i>Spirogyra</i> species, induced breeding and larval rearing of pearlspot ( <i>Etroplus suratensis</i> )	Collection and drying of filamentous algae <i>Spirogyra</i> for feed ingredient preparation
8.	R.Srinath U-21-TN-03-003-M-F-005	M.F.Sc 2021-2022 batch	M.F.Sc	Surveillance and screening of bacterial and viral diseases in ornamental fishes of Kolathur, Tamil Nadu and development of diseases treatment protocols.	Thesis submitted
9.	Lisha Krishnan.H U-21-TN-03-003-M-F-004	M.F.Sc 2021-2022 batch	M.F.Sc	Isolation, identification and characterization of probiotic bacteria from biofloc fish culture system and their role in the disease resistance and immunity in <i>Etroplus suratensis</i> .	Thesis submitted
10.	J. Praveen Raj	Ph.D (DAAHM)	Ph.D	Screening for bacterial and parasitic diseases in freshwater fishes of Andaman Islands and Thiruvallur district, Tamil Nadu and developing eco-friendly control measures.	Research work completed and rough bound thesis submitted on 24.12.2022 Awaiting the viva voce examination
11.	P. Philominal U-20-TN-03-003-D-F-004	Ph.D 2020-2021 batch	Ph.D	Influence of selected natural and synthetic immunomodulators on the growth, disease resistance and immune responses in Asian seabass, <i>Lateolabrax niloticus</i>	Thesis was submitted on 7.9.2023
12.	A. PonSrinivasan U-21-TN-03-003-D-F-001	Ph.D (DAAHM)	Ph.D	Development and standardization of rapid diagnostics kits for detection of Tilapia Lake Virus (TiLV) infecting Tilapia.	<ul style="list-style-type: none"> <li>Prepared materials needed for ultracentrifugation and preparation of viral suspension from infected tissue</li> <li>Standardisation of the PCR assays was done</li> </ul>
13.	Manimozhi. E U-18-MH-01-003-M-F-005	Ph.D 2018-2019 batch	Ph.D	Metagenomic analysis of gut microbiome in pearl spot, <i>Etroplus suratensis</i> fed with probiotic and its dynamics	<ul style="list-style-type: none"> <li>Bacterial isolates were analysed for the probiotic</li> </ul>

				during challenge with a bacterial pathogen.	properties like Salt tolerance, Biofilm formation, Carbohydrate fermentation tests, Vancomycin resistance. • Antibacterial activity of the bacterial isolated were tested against <i>Aeromonas veronii</i> , <i>Streptococcus</i> sp., <i>Vibrio</i> sp.
14.	S.Harini Fourth Semester 2021-2022 batch	M.F.Sc 2021-2022 batch	M.F.Sc	Evaluation of <i>Terminalia catappa</i> leaves extract as an rearing medium for breeding and larviculture in silver zebra angel fish ( <i>Pterophyllum scalare</i> )	Final viva voce completed and thesis has been submitted
15.	A.Jackquelin wino I.D.No. U-18-TN-03-003-M-F-002 DOR 11.07.2022 Fourth semester	Ph.D 2018-2019 batch	Ph.D	Effect of dietary supplementation of biofloc powder on growth, digestive enzyme activity and disease resistance of <i>Penaeus vannamei</i> in Recirculatory Aquaculture System (RAS)	Rough bound thesis submitted on 22.09.2023.
16.	M. JOSHNA U-19-TN-03-003-M-F-001 (AQC)	Ph.D 2019-2020 batch	Ph.D	Studies on the polyculture of GIFT- <i>Penaeus vannamei</i> in raceway and lined pond using biofloc technology.	Fifth Semester Research is in progress
17.	S.Dhinakaran U-21-TN-03-003-MF-001	M.F.Sc 2021-2022 batch	M.F.Sc	Effects of Black soldier fly supplementation on feed intake, growth and meat quality of Climbing perch ( <i>Anabas testudineus bloch, 1792</i> )	Rough bound thesis submitted on 22.09.2023.
18.	AshikAhamed.S U-17-TN-03-003-B-F-001	M.F.Sc AEM 2017-2018 batch	M.F.Sc	Biomagnification of heavy metal lead, along the aquatic food chain.	Thesis submitted
19.	P. Gobi U-21-TN-03-003-M-F-006	M.F.Sc AEM 2021-2022	M.F.Sc	Study on effect of phytohormones and nitrogen limitation of growth and	Thesis submitted

		batch		nutrients profile of <i>Nanochloropsis</i> .	
20.	G.Elavarasan U-21-TN-03-003-M-F-007	M.F.Sc DFPT 2021-2022 batch	M.F.Sc	Development of bio-nanocomposite film from gelatin/cellulose blend reinforced with ZnO.	Thesis writing is in progress
21.	Ms. K. Sinduja U-17-MH-01-001-M-F-089	Ph.D 2017-2018 batch	Ph.D	Biosuccession of planktonic and benthic communities in Artificial reef structure at coastal region of Pulicat.	Temporary discontinuance
22.	M. Mangaiyarkarasi U-21-TN-03-003-M-F-008	M.F.Sc DFPT 2021-2022 batch	M.F.Sc	Development of bio-nanocomposite film from gelatin/cellulose blend reinforced with ZnO.	Rough bound thesis submitted on 22.09.2023.
23.	ShwetaBiswas U-18-TN-03-003-B-F-052	M.F.Sc (2022-2023)	M.F.Sc	Institutional mechanism for marine fisheries governance in India: Evaluating the effectiveness of frameworks for sustainable management.	Field study is initiated
24.	T. Harish Kumar U-18-TN-03-003-B-F-017	M.F.Sc (2022-2023)	M.F.Sc	Study on marine fisheries and fishers of Tiruvallur District, Tamil Nadu.	Field study is initiated

**(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	Preparation of research paper is in progress. Thesis writing and correction is in progress.
2.	Mr.A. Kanishkar U-17-TN-03-003-B-F-017 (FRM)	2021-22	M.F.Sc.	A comparative study on fish community of Muthupet and Karankadu estuaries of Palk Bay, Tamil Nadu	Thesis writing and correction is in progress

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

Sl.No.	Name of the Research Scholar and ID.No. of the scholar	Batch	Degree	Title of Research	Research findings and status
1.	Ms. A. Jayasurya U-21-TN-03-007-M-F-001	2021-2022	M.F.Sc	Biofabrication of Zinc (Zn), and Manganese (Mn)	Pursuing

	(FBT) Chairman: Dr.S.Prakash			nanoparticles from seagrass species: Toxicity evaluation, growth enhancement and immune gene expression in <i>Penaeus vannamei</i>	
2.	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
3.	Mr. Modi Kiran Piyshbhai U-18-TN-03-007-M-F-001  Chairman: Dr. V. Kaliyamurthi	2021- 22	Ph.d	Investigation of cardioprotective effects of multi-targeting compounds in lipopolysaccharide stimulated zebrafish model via Notch signalling pathway.	Pursuing
4.	Mrs. Sonalishmita Mahapatra U-18-TN-03-007-M-F-003 (FBT) Chairman: Dr.S.Prakash	2021-22	Ph.d	Effect of Ulvan mediated mono, and bimetallic Silver, Zinc and Selenium nanoparticles on growth and immune gene expression in <i>Channa striata</i> (Bloch, 1793)	Pursuing
5.	Mr. Rahul Jaiswal Ramsree U-18-TN-03-007-M-F-008 Chairwoman: Dr.A.Uma	2021-22	Ph.d	Assessing the toxic effects, haemato- biochemical, histopathological responses and gene expression in aquatic models exposed to microplastics	Pursuing
6.	Mrs. Jemila Thangarani U-19-0-TN-03-007-D-F-002 Chairman: Dr. N. Felix	2019-2020	Ph.d	Effects of dietary selenium sources on the growth, antioxidant activity and fillet quality of Nile Tilapia, <i>Oreochromis niloticus</i> and Pangasius catfish, <i>Pangasius pangasius</i>	Pursuing
7.	M. Balaganesan U-20-TN-03-007-D-F-001 Chairman: Dr.S.A.Shanmugam	2020-2021	Ph.d	Species specific molecular signatures and evolutionary status of the fishes of Thamirabarani riverine system for Conservation and management	Pursuing



**(v) TNJFU, Institute of Fisheries Business School, Vaniyanchavadi**

Sl.No.	Name of the Research Scholar and ID.No. of the scholar	Batch	Degree	Title of Research	Research findings and status
1	Giri Balaji – MBA 2017	2021-22	MBA	Performance of American Penaeid Inc. (Florida) Broodstock Genetic Lines among Indian Shrimp Farmers	Data Collection
2	Himanshu Bagde – MBA – 21018	2021-22	MBA	A Study on Opportunities and challenges in Waste Management within the Fish Processing Industry	Data Collection
3	J. Jayakaran – MBA – 21019	2021-22	MBA	A Study on Consumer buying behavior using market basket analysis through TNFDC Meengal App in Chennai	Data Collection
4	Krishnakant Chowdri – MBA – 21020	2021-22	MBA	A Study on performance of BMR shrimp feed in Penaeus Vannamei Farming	Data Collection
5	Steve Clement – MBA – 21021	2021-22	MBA	A Study on skill assessment of Fisheries Graduates for employment in Fisheries Industry	Data Collection

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

Sl.No.	Name of the Research Scholar and ID.No. of the scholar	Batch	Degree	Title of Research	Research findings and status
1.	Veeramani and U-18-TN-03-005-B-F-030	2022-23	M.F.Sc.	Investigation on the fishing gears used for Octopus fishery along the Palk Bay region of the Ramanathapuram District	

**(vii) Directorate of Incubation and Vocational Training in Aquaculture, Chennai**

Sl.No.	Name of the Research Scholar and ID.No. of the scholar	Batch	Degree	Title of Research	Research findings and status
1	G. Satish Kumar	2021-22	Ph.D.	Optimizing formulated diet for striped murrel <i>Channa striata</i> through physiological and molecular approaches	Data analysis and Manuscript drafting.
2	K. Rajalakshmi	2021-22	Ph.D.	Novel Aquafeed formulations using sustainable ingredients for pacific white shrimp <i>P. vannamei</i>	Data analysis and Manuscript drafting.
3	T. Thiruvassagam,	2022-23	Ph.D.	Impact of fatty acids and vitamin E combinations on the gonadal development and reproductive performances of <i>Channa striata</i>	Reviewed relevant literature.  Raising of brooders for experiment
4	C. Sathishkumar	2021-22	M.F.Sc.	Effect of dietary nano-conjugated fucoidan (NCF) based nutraceutical on growth and health performances of <i>P. vannamei</i>	Completed thesis seminar presentation.  Submitted thesis.
5	G. Sanjay	2021-22	M.F.Sc.	Evaluation of dietary Bile acid and Lysophospholipid for efficient lipid utilization of <i>Lates calcarifer</i> reared in Recirculating Aquaculture System (RAS)	Completed thesis seminar presentation.  Submitted thesis.

**16. 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 (Past 5 years)	Citations (Overall)	Research Interest score
1	Dr. S. Athithan	7	4	--	155	-
2	Dr. C. Judith Betsy	6	3	--	104	-
3	Mr. A. Anix Vivek Santhiya	4	3	--	86	-
4	Dr. P. Padmavathy	12	15	--	610	146.6
5	Dr. V. Rani	8	7	--	280	165.7
6	Dr. D. Manimekalai	4	1	--	31	50.6
7	Dr. A. Juliet Selvarani	3	1	--	39	--
8	Dr. N.V. Sujathkumar	2	0	16	15	--
9	Dr. V. Senthilkumar	2	1	45	38	12.8
10	Dr. T. Umamaheswari	4	0	47	47	89.8
11	Dr. B. Manikandan	2	-	6	6	12.6
12	Ms. V. Gomathy	--	--	--	--	7.8
13	Dr. N. Jayakumar	8	5	--	221	439.6
14	Dr. R. Durairaja	3	0	--	19	39.4
15	Mr. C. Sudhan	7	5	--	141	380.5
16	Dr. B. Chrisolite	7	3	--	156	159.0
17	Dr. P. Sivasankar	4	3	--	90	58.7
18	Dr. P. Ganesan	4	2		71	45
19	Mr.M.Muruganantham	2	-		8	12.2
20	Dr. B. Sivaraman	11	12		291	22.86
21	Dr. R. Shalini	12	14	517	546	18.09
22	Dr. F. Parthiban	5	3	59	74	81.5
23	Dr. U. Arisekar	12	15	521	524	279.3
24	Dr. N. Neethiselvan	8	5	733	733	5.18
25	Dr. T. Ravikumar	4	2	47	69	7.19
26	Th. S. Mariappan	3	0	15	15	1.70

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

Sl.No.	Name of the Faculty	h-index	i10 index	Citations (past 5 years)	Citations (overall)
1	Dr. Cheryl Antony	5	1	95	100
2	Dr. S. Selvaraj	19	23	561	879
3	Dr. V. Ezhilarasi	2	0	14	14

4	Mr. P. Pavinkumar	4	2	38	46
5	Mr. K. Karuppasamy	3	-	41	42
6	Dr.A.Uma	13	23	455	754
7	Dr. S. Saravanan	3	0	23	24
8	Dr. D. Kaviarasu	2	1	13	17
9	Dr. D. Manikandavelu	4	-	9	44
10	Mrs.S. Aruna	3	1	20	23
11	Mrs.B.R.Sona	1	-	3	3
12	Mrs.NimishMol Stephen	7	6	435	663
13	Dr. N. Muralidharan	16	20	670	1068
14	Dr. K. Masilan	6	3	90	90
15	Mr.R.Velmurugan	4	-	28	28
16	Mr.D.ArunJenish	1	-	3	3
17	Mrs.S.AgnesDaney Angela	1	-	3	4
18	Dr. Lloyd Chrispin	6	3	99	108
19	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 interest Score
1.	Dr. N. Manimehalai	5	3	40	77	96
2.	Dr. Mohammad Tanveer	8	7	208	223	211.1
3.	Dr.M.Kamalakaran	4	1	42	43	57
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	93	118	199.6
8.	Dr.D.Kesavan	23	42	1327	2216	984
9.	Dr. M.Ramar	5	2	39	59	62.7
10.	Er.S.Monikandon	2	0	18	18	44.4
11.	Er. D. Babiola	2	0	9	9	8.8

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

Sl. No.	Name of the staff and Designation	h-index	i10 index	Citations (past 5 years)	Citations (overall)	Research Gate Score
1	Dr. S. Balasundari	5	4	55	90	NA

	Dean					
2	Dr. J. Jaculine Pereira Assistant Professor and Head	3	0	20	25	NA
3	Dr.S. Santhoshkumar Assistant Professor & Head	4	3	47	55	NA
4	Dr. V. Alamelu Assistant Professor & Head	4	3	47	47	NA
5	Mrs. Vimaladevi Assistant Professor	1	1	10	16	NA
6	Mr. V. Vijayarahavan Assistant Professor	2	0	11	11	NA
7	Dr. A. Subburaj Assistant Professor	6	5	105	131	NA
8	Dr.P. Elakkanai Assistant Professor	2	1	31	31	NA
9	Mrs. M. Muthu Abishag Assistant Professor	2	0	58	58	NA
1	Dr. S. Deepika Assistant Professor	2	0	9	9	NA
1	Mr.V.Durai Assistant Professor	2	1	34	44	NA
1	Mr. P. Yuvarajan Assistant Professor	3	0	25	25	NA
1	Mr. S. Kesavan Assistant Professor	2	2	48	48	NA
1	Mrs. S.J Abisha Juliet Mary Assistant Professor	1	0	3	3	NA
1	Dr.A. Brita Nicy Assistant Professor	3	1	31	34	NA
1	Mr. M. Mohammed Faizullah Assistant Professor(C)	4	1	48	60	NA
1	Dr. M. Petchimuthu Assistant Professor (C)	3	1	25	25	NA
1	Dr. R. Palani Assistant Professor (C)	2	1	18	18	NA
1	Mr. P. Praveenkumar Assistant Professor (C)	1	0	4	4	NA
2	Ms. G. FerolinJessina Assistant Professor (C)	-	-	-	-	NA

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

Sl.No.	Name of the faculty	h-index	i10 - index	Citations (Present)	Research Gate score
1.	Dr. E. Suresh	7	6	127	-
2.	Dr. V. Kaliyamurthi	10	10	1128	-

3.	Tmt.A.Jemila Thangarani	6	4	97	-
4.	Dr. Ambika Binesh	6	5	148	-
5.	Dr. S. Prakash	17	26	1240	-
6.	Dr. Amit Ranjan	11	11	325	-
7.	Dr. Deepak Agarwal	9	8	184	-

**(vi) TNJFU, Institute of Fisheries Business School, Vaniyanchavadi**

Sl.No.	Name of the faculty	h-index	i10 - index	Citations (Present)	Research Gate score
1	Dr. V. Nagajothi	2	-	3	600
2	Dr. Soumyabrata Sarkar	5	5	50	130.4
3	Dr. Kavithambika	1	-	1	25.3

**(vii) College of Fish Nutrition and Food Technology, Madhavaram**

Sl.No.	Name of the faculty	h-index	i10 - index	Citations (Present)	Research Gate score
1.	Dr. Usha Antony	26	36	2425	-
2.	Dr. R. Brimasureeswaran	11	9	415	14.3
3.	Dr. K. Hema	2	-	12	20.2
4.	Mr. D. Lakshmikanth	-	-	-	-
5.	Dr. G. Rajalakshmi	-	-	-	7.6
6.	Er. V. Velukumar	3	-	19	26.4
7.	Dr. S. Vishnu Priya	-	-	-	-
8.	Er. M. RoshiniDeepika	-	-	-	-

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

Sl.No.	Name of the faculty	h-index	i10 - index	Citations (Present)	Research Gate score
1.	M.Kalaiarasan	5	-	40	7
2.	Dr.L. Vinothkumar	4	3	42	15
3.	Dr.D.Vignesh	5	3	76	15
4.	Dr.A.Sarojini	-	-	-	-
5.	Mr.M.Manivannan	-	-	-	-

**(ix) Directorate of Incubation and Vocational Training in Aquaculture, Chennai**

Sl.No.	Name of the faculty	h-index	i10 - index	Citations (Present)	Research Gate score
1.	Dr. P. Chidambaram	2	2	163	2
2.	Dr. Mir Ishfaq Nazir	9	9	304	22
3.	Dr. E. Prabu	10	11	437	8
4.	Dr. K. Abarna	2	1	127	9.5
5.	Ms. K. Krishnaveni	1	-	12	0.8

**17. Honors / Awards to the faculty: National and International**

**(i) Fisheries College & Research Institute, Thoothukudi**

Name of the faculty	Honors/Awards	National / International
Dr. T. Uma Maheshwari	Best Paper Award in 9th National Tamil Science Congress	National
V. Gomathy and U. Arisekar	Best Article Award (Title: Delicious to Deadly Toxin: Uncovering a Global Culinary Crisis)	National

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

Name of the faculty	Honors/Awards	National / International
Best College Award	Appreciation Award	Memento
Dr. S. Balasundari	The Fellow of the Agricultural Scientific Tamil Society-Fisheries' (FSciTSA)	Certificate
Mrs. Abisha Juliet Mary S.J	Best Poster Presentation Award	Certificate

**18. Internal resources generated**

**(i) Fisheries College & Research Institute, Thoothukudi**

Sl.No.	Internal resources generated
1	Due to the impact faced on the flood, the existing resources were partially damaged at FC&RI, Thoothukudi. Hence, it is proposed to the Government for the loss resources and requested for funding support.

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

Sl.No.	Internal resources generated
1	Student Xerox/Print facilities have been strengthened
2	Guest House accommodation have been renovated
3	Study Materials has been strengthened with new articles
4	Coadunation
5	Pond lease have been underwent
6	Auction sale

**(iii) College of Fisheries Engineering, Nagapattinam**

Sl.No.	Internal resources generated
1.	Revenue generated through Fisheries Engineering and EEE self supporting fees.

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

Sl.No.	Internal resources generated
1	A sum of Rs. 21,975/- of revenue was generated through sale of Shrimp

**(v) Directorate of Incubation and Vocational Training in Aquaculture, Chennai**

Sl.No.	Internal resources generated
1.	A revenue of Rs. 50,000/- has been generated in this quarter.

**19. 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	--	--

**20. Community services:**

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

Name & address of Community services	Contact No.	Details of Services	Remarks
NSS unit of Dr.MGR FC&RI, Ponneri	044-27971556	The NSS unit of Dr.MGR FC&RI, Ponneri participated in the Beach Cleaning in association with M/S, Shenglong Biotech India Pvt Ltd on 08/11/2023 at Panayurkuppam, Marakkanam. Four students named Baskar, Mahendrakumar, Nishantini and Sangavi participated and they have cleaned the beach of Paniyurkuppam village near Marakkanam. Moreover, they learned how to upcycle the plastic waste from the expert team. The students team were coordinated and accompanied by Mr.K.Karuppasamy, Assistant Professor and NSS Program Officer.	--

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

Name & address of Community services	Contact No.	Details of Services	Remarks
Mr. Ranjinikanth	7397668533	Provided technical advice to prepare Value added products	-
Ms. Umalakshmi	-	Provided technical advice to Retort fish processing technology	-
Mr. K. Arumugam	-	Provided technical advice to <i>L.vannamei</i> culture technique	-
Mr. Manoraj		Provided technical advice to Retort fish processing technology	-
Mrs. Umalakshmi			-
Mr. Praveen			-
Mr. Shan lee			-
Mr. Manoharan			-
Mr. Rajinikanth			-



**(iii) College of Fish Nutrition and Food Technology, Madhavaram**

Name & address of Community services	Contact No.	Details of Services	Remarks
Students Volunteers of Eco club & Nizhal Foundation Team, Madhavaram	Dr. K. Hema 8754297471	Watering and maintaining of plants and trees at Madhavaram Urban Forest every week	-
CFNFT Students - theme of SHS 2023 is to achieve a "Garbage free India"	Mr. D. Lakshmikanth 9841244911	The students were involved in cleaning activity at Aavin Milk Park and the Horticulture Park, at Madhavaram Milk Colony. They segregated the plastic waste and biodegradable waste and also created awareness among the local workers for a clean and safe environment	

**21. Teachers and officers newly recruited:**

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

Sl.No.	College	Name of the Teachers	Name of the Officers	Recruited Date
1	Dr. M.G.R. FC&RI, Ponneri	Mr. A. Kannan, Physical Director (Contractual)	--	26.12.2023

**(ii) Institute of Fisheries Biotechnology, Vaniyanchavadi**

Sl.No.	College	Name of the Teacher	Name of the Officers	Recruited Date
1	Institute of Fisheries Biotechnology	Dr.V.K.D. Krishnaswamy, Assistant Professor ( C )	-	25.10.2023
2	Institute of Fisheries Biotechnology	Dr.N. Hemamalini, Assistant Professor ( C )	-	27.10.2023

**(iii) TNJFU, Institute of Fisheries Business School, Vaniyanchavadi**

Sl.No.	College	Name of the Teachers	Name of the Officers	Recruited Date
1	TNJFU, FBS, Vaniyanchavadi	Dr. L. Akshaya	Nil	14.08.2023

**(iv) College of Fish Nutrition and Food Technology, Madhavaram**

Sl.No.	College	Name of the Teachers	Name of the Officers	Recruited Date
1.	College of Fish	Tmt. R. Shanthi	--	06.10.2023

	Nutrition and Food Technology, Madhavaram Milk Colony, Chennai -51			
--	--	--	--	--

## 22. 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	26:24

### (iii) College of Fisheries Engineering, Nagapattinam

Sl.No.	College	Teaching – Non-teaching staff ratio (E.g. 10:50)
1	CoFE, Nagapattinam	14:21

### (iv) Dr. M.G.R. Fisheries College of 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

Sl.No.	College	Teaching – Non-teaching staff ratio (E.g. 10:50)
1	IFBT, Vaniyanchavadi	03:10

### (vi) TNJFU, Institute of Fisheries Business School, Vaniyanchavadi

Sl.No.	College	Teaching – Non-teaching staff ratio (E.g. 10:50)
1	TNJFU, FBS, Vaniyanchavadi	09:03

### (vii) College of Fish Nutrition and Food Technology, Madhavaram

Sl.No.	College	Teaching – Non-teaching staff ratio (E.g. 10:50)
1	CFNFT, Madhavaram	08:15

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

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

**(ix) Directorate of Incubation and Vocational Training in Aquaculture, Chennai**

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

**23. Improvements in the library services:**

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

Sl.No.	Improvements in the library services
1.	CeRA
2.	Collection of questions from different types of competitive practical books & other related sources and compiling the collected questions for conducting the mock test was done for the conduct the mock exam and First mock test completed successfully on 04.01.2024. More than 60 students participated.

**(ii) TNJFU, Institute of Fisheries Business School, Vaniyanchavadi**

Sl.No.	Improvements in the library services
1.	Purchased library books, racks, reading reading tables and chairs for the library

**(iii) College of Fish Nutrition and Food Technology, Madhavaram**

Sl.No.	Improvements in the library services
1.	Instructed the student to use CeRA website for study purpose
2.	Purchase of Newspaper English and Tamil to improve the general knowledge and English Language skills of students
3.	Planned to buy a new books for the year 2023 -2024

**(iv) Directorate of Incubation and Vocational Training in Aquaculture, Chennai**

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

**24. 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	Fishery Technology	Annual	3500
2	Indian Journal of Experimental Biology	Annual	7876

3	Indian Journal of Microbiology	Annual	7200
4	Journal of Aquaculture in the Tropics	Annual	5000
5	Indian Journal of Fisheries	Annual	1000
6	Journal of Food Science & Technology	Annual	8300
7	Kurukshetra	Annual	500
8	Yojana	Annual	500
Total			33876

**(ii) TNJFU, Institute of Fisheries Business School, Vaniyanchavadi**

Sl.No.	Name of New books/journals subscribed	Quantity	Value (Rs.)
1	Fisheries related books (21) Management related books 2)	Annual	3500

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

**(i) Fisheries College & Research Institute, Thoothukudi**

Sl.No.	Name of the course	Action taken
1	All the Students were submitting their satisfactory feedbacks in respect of course wise as well as assessing the teachers. The feedbacks were submitted through IQAC portal.	The response received by the students were regularly monitored by the Chairperson at college level and the action has been taken.

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

Sl.No.	Name of the course	Action taken
1	Feedback for all the courses conducted during this quarter has been obtained	The feedback details are assessed and intimated to the Faculty

**(iii) College of Fisheries Engineering, Nagapattinam**

Sl.No.	Name of the course	Action taken
	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 <sup>th</sup> working days and instructed to ensure 100 percent feedback by the students

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

Sl.No.	Name of the course	Action taken
<b>V Semester (2021-22 Batch)</b>		
1	FS 210 Coastal Aquaculture and Mariculture	Feedback was collected and
2	FS 211 Genetics and Breeding	

3	FS 212 Fish Nutrition and Feed Technology	analyzed.
4	FS 213 Fish and shellfish Pathology	
5	FS 214 Physiology of Finfish and Shellfish	
6	FS 215 Fishery Oceanography	
7	FS 216 Aquatic Pollution and Coastal Zone Management	
8	FS 217 Fish Canning Technology	
9	FS 218 Fishing Gear Technology	

Sl.No.	Name of the course	Action taken
<b>V Semester (2022-23 Batch)</b>		
1	FS 110 Freshwater Aquaculture	Feedback was collected and analyzed.
2	FS-111 Aquaculture in Reservoirs	
3	FS-112 Taxonomy of shellfish	
4	FS-113 Anatomy and Biology of Shellfish	
5	FS-114 Inland Fisheries	
6	FS-115 Limnology	
7	FS-116 Marine Biology	
8	FS-117 Food Chemistry and Fish in Nutrition	
9	FS 118 Information and Communication Technology	

**(v) Institute of Fisheries Biotechnology, Vaniyanchavadi**

Sl.No.	Name of the course	Action taken
1	All Courses of B.Tech.(Biotechnology)	<ul style="list-style-type: none"> <li>Students feedback are being evaluated timely for all the courses of B.Tech.(Biotechnology) degree programme.</li> <li>Suitable instructions were given to the Course Teachers for course assessment of teachers and action taken on students feedback.</li> <li>Faculty members conducted Mentor-Mentee Meetings to sort out the issues faced by the students if any.</li> </ul>

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

Vijaya Institute of Fisheries Postgraduate Studies, Ramjyoti Road					
Sl.No.		Name of the course	Action taken		
1		All Courses of Fisheries Postgraduate Studies	All the M.F.Sc. & Ph.D courses were evaluated through rating system on IQAC Online feedback submission software. Suitable instructions were given to the course teachers whom were rated as poor or average from the students response so as to improve/transform their teaching performance.		
Overall performance		Feedbacks (in %)			
		Semester I	Semester II	Semester III	
1	Excellent	43.11	28.7	51.6	
2	Very Good	33.57	23.98	41.9	
3	Good	12.71	34.39	6.45	

4	Average	9.89	12.90	-
5	Poor	0.71	-	-

**(vii) TNJFU, Institute of Fisheries Business School, Vaniyanchavadi**

Sl.No.	Name of the course	Action taken
1	BBA & MBA FEM	The following are the summary of overall rating for the various courses and teachers of BBA (FEM) degree program Excellent : 3261 responses Very good: 2619 responses Good: 2217 Average: 687 Poor: 134

**(viii) College of Fish Nutrition and Food Technology, Madhavaram**

Sl.No.	Name of the course	Action taken
1.	All Subjects	<ul style="list-style-type: none"> <li>• Arranged Industrial Visit for each course</li> <li>• Faculty used ICT tools while teaching</li> <li>• Conducted quiz / test after the completion of each unit in the course</li> <li>• Instructed to assign short seminar/presentations to the students</li> <li>• Prepared Industry Expert Question Bank</li> <li>• Prepared a schedule for Higher education and competitive exam orientation for III Year students based on the Academic Calendar</li> </ul>

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

Sl.No.	Name of the course	Action taken
1.	All Subjects	<ul style="list-style-type: none"> <li>• Based on the Students feedback, the flipped teaching methods have been used</li> <li>• Based on the students feedback, the entire syllabus was covered for all the courses under the respective semesters.</li> </ul>

**(x) Directorate of Incubation and Vocational Training in Aquaculture, Chennai**

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

**26. Feedback from stakeholders:**

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

Sl.No.	Name of the stakeholders	Feedbacks
1.	Training programme on "Freshwater Fish Culture" (4)	Feedback from the 51 Participants were collected.

2.	Training on Good Management Practices in Aquaculture. (13)	Feedback from all the participants were collected.
3.	Training programme on "Shrimp Culture"(12)	Feedback from all the participants were collected.
4.	Training on Seed quality assessment methods and health management.(22)	Feedback from all the participants were collected.

**(ii) Institute of Fisheries Biotechnology, Vaniyanchavadi**

Sl.No.	Name of the stakeholders	Feedbacks
1.	B.Tech. (Biotechnology) students	The feedback responses received by the students during 4 <sup>th</sup> quarter. Excellent : 7393 Very good : 1624 Good : 1776 Average : 400 Poor : 164 Further feedback will be analyzed after completion of the semester.

**(iii) TNJFU, Institute of Fisheries Business School. Vaniyanchavadi**

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

**(iv) College of Fish Nutrition and Food Technology, Madhavaram**

Sl.No.	Name of the stakeholders	Feedbacks
1	IQAC Feedback Form	42 students (2021 -22 batch)

**27. Unit cost of education:**

**(i) Fisheries College & Research Institute, Thoothukudi**

Sl.No.	Unit cost of education per semester	Amount in (Rs.)
	Unit cost of education per student	Rs.35,105/-

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

Sl.No.	Unit cost of education per Quarter	Amount in (Rs.)
1	Unit cost of education per student	Rs.17289/-

**(iii) College of Fisheries Engineering, Nagapattinam**

Sl.No.	Unit cost of education per semester	Amount in (Rs.)
1	Unit cost of education per student	Rs.20919/-

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

Sl.No.	Unit cost of education per semester	Amount in (Rs.)
1	Unit cost of education per student	Rs. 20,554 /

**(v) Institute of Fisheries Biotechnology, Vaniyanchavadi**

Sl.No.	Unit cost of education per semester	Amount in (Rs.)
1	Unit cost of education per student	Rs.46,038/-

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

Sl.No.	Unit cost of education per semester	Amount in (Rs.)
1	Unit cost of education per student	Rs.72,880/-

**(vii) College of Fish Nutrition and Food Technology, Madhavaram**

Sl.No.	Unit cost of education per semester	Amount in (Rs.)
1	Unit cost of education per student	Rs.21,591/-

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

Sl.No.	Unit cost of education per semester	Amount in (Rs.)
1	Unit cost of education per student	Rs.30,875/-

**(ix) Directorate of Incubation and Vocational Training in Aquaculture, Chennai**

Sl.No.	Unit cost of education per semester	Amount in (Rs.)
1	Unit cost of education per student	Rs. 3012.53/-

**28. Computerization of administration and the process of admissions and examination results, issue of certificates:****(i) Dr. M.G.R. Fisheries College & Research Institute, Ponneri**

Sl.No.	List of computerization of administrations and the process of admissions and examination results, issue of certificates made
1	Purchased online UPS for computer lab worth Rs. 1.6 lakhs

**(ii) College of Fisheries Engineering, Nagapattinam**

Sl.No.	List of computerization of administrations and the process of admissions and examination results, issue of certificates made
1.	Pay roll, Bill system, library books monitoring system are done online. Further course registration for UG and PG, hall ticket, attendance and mark statements are being

**(iii) 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.	<ul style="list-style-type: none"> <li>I &amp; II Semester (Regular) report cards were distributed to the students of 2021-22 batch on 21.10.2023.</li> <li>II semester (Regular) and III and IV semester (Arrear) report cards were distributed to the students of 2021-22 and 2020-21 on 27.11.2023.</li> <li>I Semester (Regular) result was declared of 2022-23 batch on 22.11.2023</li> </ul>



**(iv) Institute of Fisheries Biotechnology, Vaniyanchavadi**

Sl.No.	List of computerization of administrations and the process of admissions and examination results, issue of certificates made
1.	<ul style="list-style-type: none"> <li>Education Management System Software is strengthened with additional features.</li> <li>Office Management is simplified with effective ways.</li> </ul>

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

Sl.No.	List of computerization of administrations and the process of admissions and examination results, issue of certificates made
1.	<ul style="list-style-type: none"> <li>Education Management System (EMS) is handling with all the students and course teachers</li> <li>Attendance, Mark statement, Course Registration, Result Declaration, Report Cards are being accessible with Education Management System through using the individual login credentials.</li> <li>Office Management System were enhanced with additional features.</li> </ul>

**(vi) TNJFU, Fisheries Business School, Vaniyanchavadi**

Sl.No.	List of computerization of administrations and the process of admissions and examination results, issue of certificates made.
1.	All the Students and Staff were using Education Management System for Attendance, Mark statement and Report card.
2.	All the Staff were using Office Management System which is digitized and also enhancing the quality by adding additional features as per the requirements.

**(vii) College of Fish Nutrition and Food Technology, Madhavaram**

Sl.No.	List of computerization of administrations and the process of admissions and examination results, issue of certificates made
1.	<ul style="list-style-type: none"> <li>Each faculty uses the EMS portal to feed the mark statement for respective batch.</li> <li>2023-24 batch registration is done by using EMS portal.</li> </ul>

**(viii) Directorate of Incubation and Vocational Training in Aquaculture, Chennai**

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

**29. Increase in the infrastructural facilities:****(i) Dr. M.G.R. Fisheries College & Research Institute, Ponneri**

Sl.No.	Increase in the infrastructural facilities
1.	Provided wooden cupboard and roofing sheet in the record room and ETC Section
2.	Provided Aluminium partition work
3.	Provided 8W LED Rechargeable light
4.	Provided battery 15 nos. to computer lab
5.	Provided computer accessories to computer lab

**(ii) 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.

**(iii) TNJFU, Institute of Fisheries Business School, Vaniyanchavadi**

Sl.No.	Increase in the infrastructural facilities
1	LCD Projectors were purchased newly
2	Additional Xerox machines were purchased

**(iv) College of Fish Nutrition and Food Technology, Madhavaram**

Sl.No.	Increase in the infrastructural facilities
1	Call for quotation to purchase RO drinking water in the College campus, Boys hostel and Girls hostel.

**(v) Directorate of Incubation and Vocational Training in Aquaculture, Chennai**

Sl.No.	Increase in the infrastructural facilities
1.	<ul style="list-style-type: none"> <li>The Laboratory infrastructure in terms of laminar air flow chamber and tissue homogenizer has been strengthened.</li> <li>Chemicals and Kits for evaluation of Water quality parameters and enzyme assays were procured for water quality and feed quality Labs.</li> </ul>

**30. Technology up gradation: Nil**

Sl.No.	Technology up gradation	Date

**31. Computer and internet access and training to teachers, non-teaching staff and students****(i) Fisheries College & Research Institute, Thoothukudi**

Sl.No.	Computer & Internet access	Training to Teachers	Training to Non-Teaching Staff	Training to Students
1	Presently, maximum number of computer resources have been repaired due to flood impact and additional request have been submitted	Training programmes to the teachers were regularly conducted	Training programmes are being regularly conducted to the Non-Teaching Staff.	Students were trained with skill development programmes regularly

**(ii) College of Fisheries Engineering, Nagapattinam**

Sl. No	Computer & Internet access	Training to Teachers	Training to Non-Teaching Staff	Training to Students
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1	40 Working Computers and 50Mbps Internet Bandwidth	Nil	Nil	Students are trained for the subject COM 101,ENG 101 and Matlab courses
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**(iii) Institute of Fisheries Biotechnology, Vaniyanchavadi**

Sl.No.	Computer & Internet access	Training to Teachers	Training to Non-Teaching Staff	Training to Students
1	Computers with internet connections are available	Teachers are being trained regularly	Non-Teaching Staff are being trained regularly with the administrative procedures regularly	Training programmes are provided to the students regularly.

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

Sl.No.	Computer & Internet access	Training to Teachers	Training to Non-Teaching Staff	Training to Students
1	Computers with internet connections are available	Teachers are being trained by providing faculty development programme	Non-Teaching Staff are being trained regularly with the administrative procedures regularly	Training programmes are provided to the students regularly.

**(v) TNJFU, Institute of Fisheries Business School, Vaniyanchavadi**

Sl.No.	Computer & Internet access	Training to Teachers	Training to Non-Teaching Staff	Training to Students
1	Computers with Internet connections are available	Training programmes were regularly conducted to Teachers	Training on Office Management System were given to Non-Teaching Staff	Training programmes are provided to the students regularly.

**(vi) College of Fish Nutrition and Food Technology, Madhavaram**

Sl.No.	Computer & Internet access	Training to Teachers	Training to Non-Teaching Staff	Training to Students
1	37 computers available with internet connections	-	-	MATLAB Training

**(vii) Directorate of Incubation and Vocational Training in Aquaculture, Chennai**

Sl.No.	Computer & Internet access	Training to Teachers	Training to Non-Teaching Staff	Training to Students
1	Computers with Internet	Yes trainings to Teachers are	Yes trainings to Non Teaching Staff	Students are being trained

	connections are available with the Institution	being provided regularly	are being provided regularly	regularly.
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### 32. 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.1,000/- per month x 6 students x 2 months)	39,000/-	Oct'23 – Dec'23
2.	TNJFU Merit Scholarship M.F.Sc. students Rs.4000/- per month & Ph.D. Students Rs.5000/- per month)	6,67,392/-	Oct'23 – Dec'23
3.	NTS (UG students Rs.300/- per month & PG students per month Rs. 5,000/-	3,39,689/-	Oct'23 – Dec'23
4.	Student Ready Programme (B.F.Sc. 2019-2020 batch)	Nil	Oct'23 – Dec'23
5.	7.5% TN Govt. Quota	Nil	Oct'23 – Dec'23
6.	TN SC&ST Scholarship for one full time Ph.D. Scholar (4 students x Rs. 1,00,000/- Per year)	Nil	Oct'23 – Dec'23

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

Sl.No.	Name of the financial aid	Amount in (Rs.)	Year
1.	Pudumaipenn Scheme- 2 Students	2000 (per month Rs. 1000)	2024
2.	TNJFU Stipend M.F.Sc -12 Students	3,03,480	2022-23

#### (iii) College of Fisheries Engineering, Nagapattinam

Sl.No	Name of the financial aid	Amount in (Rs.)	Year
1.	Inauguration of Students Association	2250	2023
2	Sports Day - 2023	27750	2023
3	Constitution Day	1800	2023
4	National Energy Conversion Day	1200	2023

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

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	9,000 (3 Students)	2020-21, 2021-22 & 2022-23
4.	Scholarship to BC and MBC students	-	-

5.	Scholarship to SC and ST students	-	-
6.	PattukottaiAzhagiri Endowment	8,000 (2 Students)	2020-21 & 2021-22

**(v) Institute of Fisheries Biotechnology, Vaniyanchavadi**

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

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

Sl.No.	Name of the financial aid	Amount in (Rs.)	Year
1	TNJFU Merit Scholarship	Rs.4000/- per student for M.F.Sc Rs.5000/- per student for Ph.D	

**(vii) College of Fish Nutrition and Food Technology, Madhavaram**

Sl.No.	Name of the financial aid	Amount in (Rs.)	Year
1	SC/ST Scholarship	Rs. 28,000 /year /student	2023-24
2	Minority Scholarship	Rs.21,000/year /student	2023-24
3	Puthumai Pen Scheme	Rs.1,000/month /student	2023-25

**(viii) Directorate of Incubation and Vocational Training in Aquaculture, Chennai**

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

**33. Activities and support from the Alumni Association**

**(i) Fisheries College & Research Institute, Thoothukudi**

College	Batch	Activities	Support from Alumni Association
FCRI, Thoothukudi	2020-21	Ms. Divya, III B.F.Sc.,	Issued Appreciation Certificates and Mementoes to these students by AFCA, Thoothukudi for becoming Batch topper.
FCRI, Thoothukudi	2021-22	Mr. Kavirevanth, II B.F.Sc.,	
FCRI, Thoothukudi	2022-23	Mr. Asir Mathew, I B.F.Sc.,	

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

College	Batch	Activities	Support from Alumni Association
Dr. M.G.R, FCRI, Ponneri		<p>1. Aquarium is being maintained at Ponneri sub-collector office with regular weekly services on behalf of Dr.MGR FC&amp;RI, Ponneri.</p> <p>2. Membership amount paid by the former students (Alumni's) were requested from the University for the functional needs of the Association.</p> <p>3. Association renewal process in under progress.</p>	Provided for the activities mentioned.

**(iii) Directorate of Incubation and Vocational Training in Aquaculture, Chennai**

College	Batch	Activities	Support from Alumni Association
DIVA PPIAT	2019-2020	Alumni register is being updated regularly.	-

**34. Health services**


**(i) Fisheries College & Research Institute, Thoothukudi**

Sl.No.	Name of the Health services
1	Dr. Banu Devanesam, MBBS, DGO, Thoothukudi has been engaged as part-time Medical Officer to look after the medical care of students and staff.
2	The 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.	Dr. Sakthivel was recruited and joined the duty on 19 th December and doing consultations for students & Staffs on Tuesday and Thursday of every week.

**(iii) College of Fisheries Engineering, Nagapattinam**

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

### 35. Performance in the sports activities

#### (i) Fisheries College & Research Institute, Thoothukudi

Sl. No.	College	Performance in sports activities	Date
1.	FC&RI, Thoothukudi	"Run for Unity" TNJFU Inter Collegiate 10 km / 5 km Mini Marathon 2023 for Men and Women IN REMEMBRANCE OF 148 <sup>th</sup> Sardar Vallabhai Patel's Birth Anniversary.	31.12.2023
2.	FC&RI, Thoothukudi	Fit India week 2023	27.11.2023 to 01.12.2023

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

Sl.No.	College	Performance in sports activities	Date
1	Dr.MGR FCRI, Ponneri.	Mr.S. Kumaaraguru from 2020-21 batch participated in 5KM marathonevent conducted by Decathlon, Chennai.	01.10.2023
2	Dr.MGR FCRI, Ponneri.	Mr.S.Kumaraaguru from 2020-21 batch participated in 21 km marathon conducted by TN police department at Avadi in the theme of "Run for Drug free Tamil Nadu".	02.10.2023
3	Dr.MGR FCRI, Ponneri.	Mr.S.Kumaraaguru from 2020-21 batch participated in the 8 km marathon conducted by the SDAT, Chennai.	07.10.2023
4	Dr.MGR FCRI, Ponneri.	Totally 9 students from Dr.MGR FCR, Ponneri participated in the TNJFU intercollegiate mini marathon for men and women with the theme of "Run for unity" held at FCRI, Thoothukudi to commemorate 148 <sup>th</sup> birth anniversary of Sardar Vallabhai Patel.	31.10.2023
<ul style="list-style-type: none"> <li>• Selection of college Team players for planning the regular practice of event</li> <li>• A proposal will be prepared to submit to the suitable funding agency for seeking funding support to develop infrastructure facilities in sports.</li> <li>• Boys were regularly engaged in a sports such as Volley Ball, Basket Ball, Shuttle, Badminton , Table Tennis and Athletics.</li> <li>• Girls were regularly engaged in a sports such as Volley Ball, Basket Ball, Throw Ball, Badminton, Table Tennis, Athletics.</li> </ul>			

**(iii) College of Fish Nutrition and Food Technology, Madhavaram**

Sl.No.	College	Performance in sports activities	Date
1.	College of Fish Nutrition and Food Technology, Madhavaram Milk Colony – CFNFT Students	Students participated in the Intercollegiate Mini Marathon. The event was conducted in order to commemorate “Sardar Vallabai Patel’s Birth Anniversary” as the Rashtriya Ekta Diwas (Run for Unity)	31.10.2023 – Fisheries College & Research Institute, Thoothukudi

**36. Student achievements and awards:****(i) Dr. M.G.R. Fisheries College & Research Institute, Ponneri**

Sl.No.	Student Name	Batch	Achievements and Awards	Date
1.	Mr.S. Kumaaraguru	2020-21	Secured 4th place out of 800 members participated in 5KM marathon event conducted by Decathlon, Chennai.	01.10.2023
2.	Mr.S. Kumaaraguru	2020-21	Got 25 <sup>th</sup> place out of 600 participants in the 21 km marathon conducted by TN police department at Avadi in the theme of “Run for Drug free Tamil Nadu”.	02.10.2023
3.	Mr.S. Kumaaraguru	2020-21	Secured 6th place in the 8 km marathon conducted by the SDAT, Chennai. He was among top 10 out of 200 participants and received cash reward of Rs.1000/-. This qualification will be considered for further future selection.	07.10.2023
4.	Mr.S. Kumaaraguru	2020-21	Secured 1 <sup>st</sup> place in intercollegiate mini marathon for men (10 kms) in the theme of “Run for unity” held at FCRI, Thoothukudi to commemorate 148 <sup>th</sup> birth anniversary of SardarVallabhai Patel.	31.10.2023
5.	Mr.S.Subhalakshmi	2022-23	Secured 1 <sup>st</sup> place in intercollegiate mini marathon for women (5 kms) in the theme of “Run for unity” held at FCRI, Thoothukudi to commemorate 148 <sup>th</sup> birth anniversary of SardarVallabhai Patel.	31.10.2023
6.	S.Sanjay	2022-23	Secured 3 <sup>rd</sup> place in intercollegiate mini marathon for men (10 kms) in the theme of “Run for unity” held at FCRI, Thoothukudi to commemorate 148 <sup>th</sup> birth anniversary of SardarVallabhai Patel.	31.10.2023
7	PonSrinivasan, Ph.D student, DAAHM	2021-22	Best Poster Presentation Award	01.12.2023-03.12.2023



8	R. Srinath, M.F.Sc student, DAAHM	2021-22	Best Poster Award	01.12.2023-03.12.2023
9	S. Mahalakshmi	2021-22	Best Paper Award	16.12.2023-17.12.2023
10	DivyaBharathi	2023-24	Jawaharlal Nehru Speech Competiton winner	09.11.2023

**(ii) TNJFU, Institute of Fisheries Business School, Vaniyanchavadi**

Sl.No.	Student Name	Batch	Achievements and Awards	Date
1	Shriya Rajesh	2021-22	Best Manager	27.09.2023

**37. Activities of the Guidance and Counselling unit**

**(i) Fisheries College & Research Institute, Thoothukudi**

Sl.No.	Activities of the Guidance and Counselling unit
1	<ul style="list-style-type: none"> <li>Regular Counselling is provided to the students during the counseling hour and mentor – mentee meeting is also regularly conducted.</li> <li>Report of the Mentor-Mentee Meeting held on 10.10.2023</li> </ul> <p>Mentor: Dr. T. Umamaheswari</p> <p>Mentees (2020-21 Batch):</p> <ol style="list-style-type: none"> <li>GOKULA KRISHNAN, A S</li> <li>JEYAASHRIEE, K</li> <li>KEERTHANA, I</li> <li>MARY HELENA, S</li> <li>SAHAYA ROOPNA, S</li> <li>SNEKA, R</li> </ol> <p>Report of the Mentor-Mentee meeting held on 19.10.2023</p> <p>Mentor: Dr.P.Sivasankar, Assistant Professor</p> <p>Mentees (2020-21 Batch):</p> <ol style="list-style-type: none"> <li>DIVYA MEENA, B.</li> <li>JEFFRIN JOE J.</li> <li>SANDRIN, K.</li> <li>AARTHY, B.S</li> <li>MARY BLESSY, R.</li> <li>ROHAN, R.</li> </ol> <p>Report of the Mentor-Mentee meeting held on 19.10.2023</p> <p>Mentor: A. Anix Vivek Santhiya, Assistant Professor, DAQ</p> <p>Mentees (2021 – 2022 UG batch)</p> <ol style="list-style-type: none"> <li>ANUSHIYA, U. Present</li> <li>JAI KARTHICK, D. Present</li> <li>SUNIL BABU, P.S. Present</li> <li>PUGALMATHI, S. Absent</li> <li>ARJUNSIDDHARTH, V. Present</li> </ol>

	<p>6. ATSHAYA BALAN, K.</p> <p>The meeting was conducted on 23.11.2023. All the students have attended the meeting.</p> <p>The following contents were discussed with the students.</p> <ul style="list-style-type: none"> <li>• Studies for the exam</li> <li>• Personal Issues</li> <li>• Issues in the hostel, class room and home</li> <li>• Issues with seniors and students</li> </ul>
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**(ii) Dr. M.G.R. Fisheries College & Research Institute, Ponneri**

Sl.No.	Activities of the Guidance and Counselling unit
1.	<ul style="list-style-type: none"> <li>• The cell has shared the details regarding higher study opportunities and different capacity building programmes to the students.</li> <li>• The representative of the Cell had a meeting with the members of Leo's Club and the Dean on 19.12.2023.</li> <li>• Cell has disseminated the job details of various organizations to the students.</li> </ul>

**(iii) College of Fisheries Engineering, Nagapattinam**

Sl.No.	Activities of the Guidance and Counselling unit
1.	10 students were allotted to each staff for counseling.
2.	Exclusive counseling hour is allotted in the time table
3.	Dr. Sheik Allavudin, MBBS has also provided counseling to the students for their physical and psychological improvements.

**(iv) Institute of Fisheries Biotechnology, Vaniyanchavadi**

Sl.No.	Activities of the Guidance and Counseling unit
1.	Counselling sessions to the students from all batches of B.Tech.(Biotechnology) have been conducted by the respective mentors.

**(v) TNJFU, Institute of Fisheries Business School, Vaniyanchavadi**

Sl.No.	Activities of the Guidance and Counseling unit
1.	All the UG & PG students are guided by the respective batch coordinators and counselors

**(vi) College of Fish Nutrition and Food Technology, Madhavaram**

Sl.No.	Activities of the Guidance and Counseling unit
1.	<ul style="list-style-type: none"> <li>• Counseling was given to students particularly appreciating their self esteem.</li> <li>• Guidance the students in making the right choices in their studies.</li> <li>• Provided necessary knowledge and skills, builds hope and confidence.</li> <li>• Improved students focusing on their mental wellbeing and helped students to deal with issues in their lives.</li> </ul>
2.	Conducted personality development class for students.
3.	Counseling sessions are being conducted on every week of Saturday.

**(vii) Directorate of Incubation and Vocational Training in Aquaculture, Chennai**

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

**38. Placement services provided to students**

**(i) Fisheries College & Research Institute, Thoothukudi**

Sl.No.	College	Placement Service provided	Year
1	FC&RI, Thoothukudi	<ul style="list-style-type: none"> <li>Delivered a lecture on the job opportunities available in the fisheries sector to the students of 2023 -24 Batch during the orientation programme organized for the 1<sup>st</sup> B.F.Sc on 11.10.2023.</li> <li>A total of 67 BFSc students passed out as graduates (2019-20 Batch) on 07.08.2023. Among them, 7 students were placed in the private firm.</li> <li>The outgoing M.F.Sc students (2021-22 Batch) passed out in the October 2023. Among them, 3 students were placed in the private firm.</li> </ul>	2023

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

Sl.No.	College	Placement Service provided	Year
1.	Dr.MGR.FC&RI,Ponneri	The Placement cell unit of Dr.MGR FC&RI, Ponneri organized a campus placement drive for the outgoing students of 2019-20 batch on 05-10-2023 at Grobest Corporate Office, Chennai. M/s Grobest Feeds Corporation India Pvt Ltd has interviewed the Senior sales and technical trainees position. Totally 12 candidates participated in this campus drive. The programme were coordinated by Mr.K.Karuppasamy, Assistant Professor and Placement Cell Officer.	October,2023

**(iii) TNJFU, Institute of Fisheries Business School, Vaniyanchavadi**

Sl.No.	College	Placement Service provided	Year
1	TNJFU, FBS, Chennai	All the passed out MBA students are placed in well reputed MNCs and Indian Companies	2021-22 batch of MBA

**(iv) College of Fish Nutrition and Food Technology, Madhavaram**

Sl.No.	College	Placement Service provided	Year
1.	College of Fish Nutrition and Food Technology, Madhavaram Milk colony, Chennai - 51	Students profile have been sent to M/s.Milky Mist company for hiring for career opportunities.	2018 – 2019 & 2019 - 2020 Batch Students.

**(v) Directorate of Incubation and Vocational Training in Aquaculture, Chennai**

Sl.No.	College	Placement Service provided	Year
1.	PPIAT (B.Voc IA) Batch 2020-2021	8 students have joined industry and 7 went for pursuing higher studies.	2023.

**39. Development programmes for non-teaching staffs: Nil**

Sl.No.	College	Name of the programme	Date

**40. Good practices of the institution:****(i) Dr. M.G.R. Fisheries College & Research Institute, Ponneri**

Sl.No.	Good practices of the institution
1	<ul style="list-style-type: none"> <li>Mr.Kumaraguru, III B.F.Sc student of the institute secured 4<sup>th</sup>, 25<sup>th</sup> and 6<sup>th</sup> places in 5 KM marathon (conducted by Decathlon, Chennai on 01.10.23), 21 KM marathon (conducted by TN police department at Avadi on 02.10.2023) and 8 KM marathon (conducted by the SDAT, Chennai on 07.10.2023) respectively.</li> <li>Totally 9 students from Dr.MGR FCR, Ponneri participated in the TNJFU intercollegiate mini marathon for men and women with the theme of "Run for unity" held at FCRI, Thoothukudi on 31.10.2023 to commemorate 148<sup>th</sup> birth anniversary of SardarVallabhai Patel. It was conducted under two categories i.e. 10 km distance for boys and 5 km distance for girls. Mr.Kumaraguru from 2020-21 batch got first place and Mr.Sanjay from 2022-23 batch 3<sup>rd</sup> place under boys category and Ms.Subhalakshmi from 2022-23 batch secured 1<sup>st</sup> place under girl's category. Mr.N.Suresh, DSP, TN police honoured the winners with medals and Certificates. Dr.Ahilan, Dean, FCRI, Thoothukudi congratulated the winners.</li> <li>As part of the Swachhata Hi Seva Programme, 75 NSS Volunteers of the institute participated in the cleanliness drive [EkTareekhEkGhantaEkSaath] at Pazhavaerkadu beach on 01.10.23. The NSS volunteers also staged a rally and performed a skit to create awareness of plastic usage and health issues. The NSS volunteers were coordinated by Dr. S. Saravanan, AP, DAAHM and Th. K. Karuppasamy, NSS Program Officer DFRM of the institute.</li> </ul>

	<ul style="list-style-type: none"> <li>• Dept. of Fisheries Extension, Economics and Statistics [DFEES], Dr. M.G.R. FC &amp; RI, Ponneri conducted two days training on freshwater fish culture from 17.10.2023 to 18.10.2023. Four trainees from Thiruvallur and Chennai Districts participated in the training. In the training, various aspects in relation to freshwater fish culture were taught to the participants by the subject matter specialists of the institute. In addition to the theoretic classes, all the participants were taken to Rhea fish farm, Bandikavanoor for gaining practical knowledge. Dr. C. Lloyd Chrispin, Asst. Professor, DFEES coordinated the training programme.</li> <li>• A special lecture by Thiru. R. Kalamegam, Advocate, Ponneri on "Our Role in Corruption Free India" was organized in connection with the celebration of Vigilance Awareness Week 2023 on 02.11.2023. The lecture threw insights on how corruption can choke nation's development and the government regulations to overcome corruption. Dr. S. Selvaraj, Asst. Prof, DAQ coordinated the event.</li> <li>• Three days (6.11.2023 – 8.11.2023) training on Good Management Practices in Aquaculture was given to the technical staff (13 Nos) of CP Aquaculture (India) Pvt. Limited at State Referral Laboratory for Aquatic Animal Health, TNJFU- Madhavaram campus, Chennai. Dr. A. Uma, Prof.&amp; Head, DAAHM coordinated the training programme.</li> <li>• Selvi.Dhivya Bharathi S. T., I B.F.Sc student of the institute secured 3<sup>rd</sup> place in district level elocution competition conducted by Tamil Development Department to commemorate the birthday of Pandit Jawaharlal Nehru on 09.11.23. The student was felicitated with a certificate and cash prize (Rs. 2000/-) by Dr. Anbarasi, Assistant Director, Tamil Development Department, Thiruvallur District.</li> <li>• On 18.11.2023, National integration day was observed at Dr. M.G.R FCRI, Ponneri by administering pledge. The Dean i/c of the institute, Dr. Cheryl Antony read out the pledge which was recited by the staff and students of the institute.</li> <li>• Dr. M.G.R FCRI, Ponneri celebrated the world fisheries day by conducting drawing competition, quiz competition and online special lectures for students of the institute on 21.11.2023. Dr. Antony JesuPrabhu Philip, Principal Scientist, Norwegian Institute of Food, Fisheries and Aquaculture, Norway and Dr. A. Jeyakumari, Senior Scientist, ICAR-Central Institute of Fisheries Technology, Kochi are the speakers who delivered the special online lectures. The winners of the drawing competition received prizes from the Hon'ble Minister for Fisheries, Fishermen Welfare and Animal Husbandry, Th. Anitha R. Radhakrishnan in the Directorate of Fisheries, Nandanam, Chennai. Dr. S. Selvaraj, Asst. Prof, DAQ coordinated the event.</li> <li>• Dr. M.G.R FCRI, Ponneri observed the Constitution day on 24.11.2023 by organizing a special lecture programme. Dr. S. Jagajeevanram, Head of the Department, Department of History, LoganathanNarayanasamy Government College, Ponneri delivered the special lecture entitled "The role of tribal leaders in Indian freedom movement" as an awareness talk on Constitution Day. Dr. L. Surulivel, Asst. Prof, DFEES coordinated the event.</li> <li>• Dept. of Fisheries Extension, Economics and Statistics [DFEES], Dr. M.G.R.</li> </ul>
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	<p>FC &amp; RI, Ponneri conducted two days training on shrimp culture from 21.11.2023 to 22.11.2023. Twelve trainees from Thiruvallur and Chennai Districts participated in the training. In the training, various aspects in relation to shrimp culture were taught to the participants by the subject matter specialists of the institute. Dr. C. Lloyd Chrispin, Asst. Professor, DFEES coordinated the training programme.</p> <ul style="list-style-type: none"> <li>• NADP funded two days (27.11.23 – 28.11.23) training on seed quality assessment methods and health management was given to 22 (Inspector of Fisheries) officials of Tamil Nadu State Fisheries and Fishermen Welfare Department at the State Referral Laboratory for Aquatic Animal Health, TNJFU – Madhavaram campus, Chennai. Dr. A. Uma, Prof.&amp; Head, DAAHM coordinated the training programme.</li> <li>• On 08.12.2023, World Human Rights day was observed at Dr. M.G.R FCRI, Ponneri by administering pledge. The Dean i/c of the institute, Mrs. S. Aruna read out the pledge which was recited by the staff and students of the institute.</li> </ul>
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**(ii) College of Fisheries Engineering, Nagapattinam**

- College of Fisheries Engineering is working on mandates which are highly demanded in present and future Engineering.

**(iii) Institute of Fisheries Biotechnology, Vaniyanchavadi**

Sl.No.	Good practices of the institution
1	<ul style="list-style-type: none"> <li>• Prospicience Groups has been initiated for encouraging group discussions among students.</li> <li>• Brainstorming sessions on subject matters for the final year students through 'Biotechcellence Club' have been conducted.</li> <li>• Students are encouraged to do Mandatory Project Work during their final year.</li> <li>• Students are encouraged to do Mandatory Internships during their final year.</li> <li>• Students are encouraged to undergo research and lab activities in association with their faculties.</li> <li>• Students are appreciated to maintain a unique dress code on a particular days</li> <li>• Development and adoption have been obtained for standard operating Procedures for all laboratories.</li> <li>• Frequent anti-ragging awareness programmes have been offered for ragging free campus</li> <li>• Grievances Redressal System and Anti-drug awareness activities for the benefit of the students.</li> <li>• MOOC courses for undergraduate students</li> <li>• Conduct of Biotechnology subject matter group meeting to facilitate student and faculty research.</li> <li>• Parent-Teachers Meeting.</li> </ul>

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

Sl.No.	Good practices of the institution
1	<ul style="list-style-type: none"> <li>• Mandatory project work for Postgraduate Students</li> <li>• Encouraging postgraduate students to be associated with faculty for research and lab activities.</li> <li>• Motivation of PG students to participate in the journal club meeting.</li> <li>• Identification of mentor from outside institution is encouraged.</li> </ul>

**(v) TNJFU, Institute of Fisheries Business School, Vaniyanchavadi**

Sl.No.	Good practices of the institution
1	All UG & PG students were wearing a unique dress code weekly twice
2	MOOC courses were advise to register compulsory
3	Project work is mandatory for all final year students pertaining to BBA and MBA
4	Internships are mandatory for all BBA and MBA students
5	Regularly arranging of guest lectures for soft skills development for all FBS students.
6	Conducting group discussions and MOCK interview for all final year students
7	Conducting parent teachers meeting
8	Weekly seminars given to students
9	Special communication skill training given to I BBA students.
10	Frequent Anti-ragging awareness programmes for a ragging free campus are being conducted.

**(vi) College of Fish Nutrition and Food Technology, Madhavaram**

Sl.No.	Good practices of the institution
1.	Conducted class test for the students after the completion of every unit in the syllabus
2.	To initiate standards club for students activity
3.	To conduct personality development class for students

**(vii) Directorate of Incubation and Vocational Training in Aquaculture, Chennai**

Sl.No.	Good practices of the institution
1.	Shrimp seed stocking and rearing was carried out in this quarter.
2.	Maintenance of campus greening with frequent plantation programs was carried out.

**41. Linkages developed with National/International, academic/research bodies:****(i) Institute of Fisheries Biotechnology, Vaniyanchavadi**

Sl. No.	College	Linkages developed	National/International	academic/research bodies	Date
1	'M/s. Bioclone Biotech PVT Ltd, MSS Women's Biotech Park, Siruseri,	Planning to send final year B.Tech. Biotechnology students for short term internships	National	Biotech industry	--

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

Sl. No.	College	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 project work were able to take needy help from the mentioned institutes.	National	Research	Since March 2020-23
2	TRPVB, TANUVAS, Chennai				
3	Sathyabama University				
4	CIBA, Chennai				

**(iii) TNJFU, Institute of Fisheries Business School, Vaniyanchavadi**

Sl. No.	College	Linkages developed	National/International	academic/research bodies	Date
1	TNJFU-FBS	Sundhine	National	SAP (Society of Aquaculture Professional)	-
2		IAS Group of Hatcheries	National	MMA (Madras Management Association)	-

**42. 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	The committee members of the Students' Grievance Committee, Coordinators, and Counsellors of the various batches of UG students met the students and received their grievances in the college and hostel.

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

Sl.No.	Action Taken towards the previous quarter
1	<p>Action taken towards the following points and the same has been submitted to the IQAC, TNJFU so as to upload in the IQAC portal.</p> <ul style="list-style-type: none"> <li>• Development and popularization of viable technologies.</li> <li>• 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.</li> <li>• Innovations in curricular design and transaction</li> <li>• Strengthening of the Library</li> <li>• New collaboration research programmes</li> </ul>



**(iii) College of Fisheries Engineering, Nagapattinam**

No.	Agenda	Minutes	Action Taken Report
4.1.	Class committee meetings – Plan and outcome	All UG/PG year coordinators are advised to conduct the class committee meetings periodically 3 times in a semester) (Action: All Year Coordinators UG and PG)	The final theory examinations of all the batches were conducted during this period
4.2	Parent – Teacher Meeting – Plan and outcome	All coordinators are advised to conduct Parents-Teacher meetings just after the release of semester results. (Action: All Year Coordinators UG and PG)	parent teachers meeting will be planned after an announcement of the semester results
4.3	Placement and Skill development	Placement officers are advised to explore the possibility of a joint placement program (Action: Dr.P. Karthickumar)	Actions have been initiated concerning the placement drive, in collaboration with processing companies and farms, for implant attachment and job opportunities.
4.4	Academic auditing	Faculty are advised to keep updated files for courses, research, and extension. An internal academic audit may be conducted during the next quarter. (Action: All Faculties, ETC Coordinators)	Maintaining files for the courses.
4.5	Student Feedback	All coordinators are instructed to follow up with students to submit feedback twice a semester. After submission, coordinators shall submit an undertaking to the Dean on the same. (Action: All Year Coordinators UG and PG)	2021-22 batch students submitted the students' feedback in the college portal.
4.6.	Template for recording students' counseling details	A common format for counseling will be circulated to arrive at a standard format (Action: All Year Counsellor UG and PG)	It is circulated to all year counselors.
4.7.	UG Admission 2023-24 (FE & EEE)	The faculty members are advised to diagnose the issues for less admission strength during this academic year and promote the course to neighboring schools and public places for upcoming batch admissions (Action: Dr.P.Karthickumar, Er. S. Monikandon & Er.C.Mercy Amrita)	Brochures for Fisheries Engineering and Energy and Environmental Engineering were prepared to promote the B.Tech (FE & EEE) courses for the 2024-25 batch. Students from nearby districts (Thiruvarur and Nagapattinam) visited the college to explore the facilities and engage in discussions about the courses as part of the Naan Mudhalvan scheme.
4.8.	NAAC accreditation process	Dean has briefed the NAAC accreditation process details that were discussed at UO meeting (Action : Dean i/c)	Work in under process.

4.9.	NIRF Ranking	All the faculty members are instructed to submit the supported documents of NIRF Ranking-2024 without delay to ETC co-ordinator for further transmission to the University on-time (Action: All Faculties, ETC Coordinators)	The supported document of NIRF Ranking 2024 is transmitted to the University on 22.12.203
4.10	UG student research project	1. It is planned to have industry-oriented projects for IV B.Tech (FE&EEE). The coordinators are requested to look into the possibilities for industry projects on or before 22/1/2024. The ATR should be submitted on 22/1/2024 in this regard. (Action: Mr. T.L.S. Samuel Moses, Dr.P.Karthickumar, Er. S. Monikandon and Dr.R.Thiyagu) 2. The zeroth review for the 2020-21 batch should be completed within the first week of the starting of the Internal Project semester. (Action: Dr.M.Ramar and Er.C.Mercy Amrita)	RAWE Aquaculture is planned in three Centres of Sustainable Aquaculture.  Initiatives have been taken to send letters requesting implant attachment opportunities for B.Tech (FE) students to processing industries.
4.11	IQAC Quarterly meeting	IQAC staff member is instructed to conduct every quarterly IQAC meeting during the second month of each quarter along with faculty monthly meeting without any deviation. (Action: Dr. M. Kamalakannan)	IQAC quarterly meeting will be conducted during the second month of each quarter along with the faculty monthly meeting without any deviation.
4.12	New endowment to be instituted	Faculty members are encouraged to provide/share their contributions for the Faculty Endowment Award. (Action: Er. S. Monikandon)	The contribution of the faculty members for the Faculty Endowment award is collected from March 2024.
4.13	Swayam Course	All the Department Heads' are instructed to suggest five courses (it should be support to the department courses) offered by Swayam to the ETC on or before 19.01.2024. (Action: All Head of the Department and Dr. M. Kamalakannan)	The supporting courses, relevant to the Fisheries sector offered by Swayam will be proposed in the next meeting.
4.14	Scholarship	The ETC co-ordinator to ensure that all eligible students must apply for the Govt. Scholarship as on time (Action: Dr. M. Kamalakannan)	All the eligible students are applying/renewing the Govt. scholarship on time for this academic year.

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

Sl.No.	Action Taken towards the previous quarter
1	Action points on the minutes discussed in the IQAC Meeting was taken over and the report have been submitted to the IQAC, TNJFU so as to upload in the IQAC portal.

**(v) Institute of Fisheries Biotechnology, Vaniyanchavadi**

Sl.No.	Action Taken towards the previous quarter
1	<p>Feedback has been obtained from the faculty members and consolidated. Majority of the attributes were graded either as Excellent or very good. Some suggested to add more books to the library</p> <ul style="list-style-type: none"> <li>• Job placements have been provided for 10 graduates of 2019-2020 batch</li> <li>• New Industrial partner has been identified</li> <li>• Academic Calendar has been prepared for each semester and will be communicated to the students and staff at the beginning of each semester.</li> </ul>

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

Sl.No.	Action Taken towards the previous quarter
1	Feedback has been obtained from the students on timely basis. The responses have been analyzed and action has been taken towards the responses.

**(vii) TNJFU, Institute of Fisheries Business School, Vaniyanchavadi**

Sl.No.	Action Taken towards the previous quarter
1	Feedback from the students have been acquired. The required actions to raise the standard of instruction have been implemented in response to the students feedback. Every students have attended counseling sessions from their respective class teachers and coordinators. Additionally, regular monitoring has been done to raise student performance.

**(viii) Directorate of Incubation and Vocational Training in Aquaculture, Chennai**

Sl.No.	Action Taken towards the previous quarter
1.	The ATR of the previous quarter was submitted to the IQAC at University level so as to upload in the IQAC portal.

**43. Any other relevant information the institution wished to add.****(i) Fisheries College & Research Institute, Thoothukudi**

Sl.No.	Any other relevant information
1	<ul style="list-style-type: none"> <li>• Radio talk on " Impact of climate change in Aquaculture" was given by Dr. P. Padmavathy, Professor &amp; Head of FC&amp;RI, Thoothukudi at AIR, Tirunelveli on 01.12.2023.</li> <li>• Run for Unity (Mini Marathon) on the occasion of Sardar Vallabhai Patel to be conducted on 31.10.2023.</li> <li>• Inaugural function of World Fisheries Day Webinar on 21.11.2023.</li> </ul>

**Dr. B. Chrisolite, Associate Professor and Head**

- Attended all staff meeting conducted by the Dean, FC&RI, Thoothukudi on 10.10.2023, 09.11.2023 and 09.12.2023
- Attended HOD meeting on 27.11.2023
- Organized an awareness programme on "Preventing Antimicrobial Resistance Together" on 23.11.2023 at FC&RI, Thoothukudi

- Evaluated the project proposal "Development of phage biotics for post-harvest applications in fisheries" for Kerala State Council for Science Technology and Environment with a budget outlay of Rs. 29.87 lakhs.
- Attended 3<sup>rd</sup> International Conference on Aquatic Epidemiology at ICAR-NBFGR, Lucknow from Nov 29<sup>th</sup> to Dec 1<sup>st</sup> 2023
- Attended the ICAR-NACA School on Aquatic Animal Epidemiology and Disease Surveillance from December 4-8, 2023 at ICAR-NBFGR, Lucknow

#### **Dr. P. Sivasankar, Assistant Professor**

- Attended all staff meeting conducted by the Dean, FC&RI, Thoothukudi on 10.10.2023, 09.11.2023, 09.12.2023 and 28.12.2023
- Organized an awareness programme on "Preventing Antimicrobial Resistance Together" on 23.11.2023 at FC&RI, Thoothukudi
- Served as committee member for mini-marathon event and supervised the students at Marvanmadam Bus stop
- Conducted mentor-mentee meeting for 2020-21 batch students on 10.10.2023, 19.10.2023, 06.11.2023 and 30.11.2023
- Conducted mentor-mentee meeting for 2021-22 batch students on 12.10.2023, 19.10.2023, 07.11.2023 and 21.11.2023

#### **Mr.P.Subash, Assistant Professor (Contractual)**

- Joined as Assistant Professor on contractual basis on 23.11.2023
- Collected and prepared teaching materials on immunostimulants in aquaculture and Therapeutants used in aquaculture.
- Assisted to conduct practical class on isolation of fungal pathogen for III B.F.Sc.
- Prepared course schedule on Fish immunology for upcoming semester for II B.F.Sc
- Restoration works were carried out

### **Section C: Outcomes achieved by the end of the quarter**

#### **(i) Fisheries College & Research Institute, Thoothukudi**

- Guidance as chairman and member provided to 2 Ph.D. Students and 1 MFSc students.
- 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, Bioprospecting selected marine microalgae for production of Polyunsaturated fatty acid (PUFA's) from Gulf of Mannar coastal waters, Assessment of mangrove species diversity, distribution and cover estimation in Thoothukudi district, Tamilnadu and analyzing the water samples brought by farmers and sea food processing entrepreneurs were carried out.
- One University Research Project on "Evaluation of enriched bacterial consortium for the treatment of ammonia and nitrite in aquaculture waste water "funded by TNSCST, Chennai is being operated.

- 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
- One research article, 2 technical articles, 1 training manual was published
- Conducted 1 on-campus training program and 3 awareness programmes
- A total of two research projects, EDII, Chennai were operated
- Samples analyzed for various quality parameters and certificates issued

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

A revenue of Rs. 10,850/- (Ten thousand eight hundred and fifty rupees only) was obtained through the culture of *Litopenaeusvannamei* in brackishwater for 90 days.

**(iii) College of Fisheries Engineering, Nagapattinam**

- Based on the Final Theory Examination results meetings were conducted along with the students
- For improvement of the classroom atmosphere and pass percentage. Special attention was given to the students having arrears.
- Three external projects from UBA were obtained with a budget outlay of 1.00 lakh
- Seven trainings were conducted for the peoples of adopted villages under aquaculture and processing themes.

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

- Conducted world Food Day on 16.10.2023
- Conducted Swetachatha hi Sewa on 01.10.2023
- Staff participated in Space Expo Conducted by ISRO IPRC which was held at E.G.S.Pillay Engineering College, Nagapattinam
- Orientation programme was conducted on 11.10.2023. Parents and Students were benefited through the programme.
- An exposure visit arranged to the students at Government Higher Secondary School, Thanikotagam on 20.10.2023 regarding information of Fish Farm, Korukkai.

**(v) Institute of Fisheries Biotechnology, Vaniyanchavadi**

- One more linkage with industry has been initiated
- Group Study activity through ‘Prospicience Groups’ for knowledge improvement has been carried out.
- Motivated more students to undertake competitive exams and seven students have qualified in GAT-B exams.
- UG students are encouraged with ‘Academic Proficiency Prizes’
- Mentor-Mentee interactions have been organized.

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

- Linkages with academic institutes being initiated as and when need arises.
- Encouraged faculty students training programme
- Motivated more students to undertake competitive examinations and encourage them to pursue higher studies or seek good placements in R&D and Farms.
- Encouraged students to involve and take research projects during their course work.

**(vii) TNJFU, Institute of Fisheries Business School, Vaniyanchavadi**

- Totally 8918 students responses received as a feedback from the students
- Academic proficiency awards were presented to the deserving candidates
- Five MBA (FEM) students were placed through placement cell
- Seven online guest lectures were organized
- Two endowments (Rs.200000/-) were mobilized for presenting awards to students for their academic excellence.
- A programme held at Anna University, Chennai on World Tourism day, Prizes and Awards distributed to FBS students.

**(viii) College of Fish Nutrition and Food Technology, Madhavaram**

- Template for E - Newsletter has been prepared.
- The B. Tech. I year students of Food Technology visited the Om Saravana Rice Mill Industries at Uveri, Kancheepuram on 10.10.2023. The students understood the commercial working mechanism of parboiling, hulling, milling, polishing, destoning, and colour sorting equipment in modern rice mill industry. Also, students learned about the varieties of paddy procured from various locations for milling and its yield, quality and export of packed rice.
- The III year Students of B. Tech. Food Technology visited The Indian Institute of Packaging, Ministry of Commerce and Industry, Govt of India at Perungudi, Chennai on 19.10.2023. The students visited the material, chemical and transport laboratory and understood the working mechanism of different equipments.
- **Science Exhibition** - The B. Tech. Food Technology students of CFNFT were invited to display a stall on Food Technology for the Science Exhibition at Moongibai Goenka Girls Higher Secondary School, Sowcarpet, Chennai on 13.10.2023. The students explained on "HOW TO READ A FOOD LABEL" and various symbols on food labels. They also explained about the 'Best before Date', 'Use by Date' and 'Expiry Date' and highlighted the importance of reading a food label before buying any product in the supermarkets.

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

- Conducted FICSI (Food Industry and Capacity Skill Initiative) exams
- FICSI Level 4 (Fish and Seafood Processing Technician) Exam was conducted to 19 students of B.Voc. II year (2021-22 batch) through online mode on 27.10.2023.
- Conducted the five days training on "Care and maintenance of Marine engines" from 09.10.2023 to 13.10.2023.
- The Governor Address details were sent to the DR on 18.11.2023
- Conducted the one week training on "Deep Sea Fishing Techniques" from 22.01.2024 to 29.01.2024.
- Proposal on "Deep Sea Fishing Techniques" for a sum of Rs.14,83,500/- have been submitted to Tamil Nadu Skill Development Corporation.
- Proposal for Livelihood upgradation of fisherwomen of Ramanathapuram district through training on Gill net designing, assembling and Net mending for a sum of Rs.14,57,625/- have been submitted to Tamil Nadu Skill Development Corporation.

## **(x) Directorate of Incubation and Vocational Training in Aquaculture, Chennai**

- Regular class committee meeting was conducted and maintained.
- Feedback from the students was collected periodically.
- Laboratories were strengthened with new equipment.
- Course files were maintained.
- Student grievance and redressal meeting was conducted.
- Ornamental fish unit: Jewel cichlid, Zebrafish (*Danio rerio*) , and fighter fish were successfully bred.
- Aquaponics unit: Floating vegetable culture in the nursery unit was accomplished
- Live feed unit: Artemia cyst, Daphnia and moina culture was procured and cultured.
- Fish and shrimp seeds was collected from the wild, identified and maintained in cement tanks for further culture.
- Involved in the greening of campus and campus cleaning work was done.
- Prepared Student particulars report for annual report of 2023.
- Prepared radio talk report.

## **Section D: Plans of the Institute for the next quarter**

### **(i) Fisheries College & Research Institute, Thoothukudi**

- Training programmes will be conducted
- 4 projects will be operated
- Guidance will be provided to 5 Ph.D and 3 PG students
- Offering new UG and PG courses in the coming semester
- Submission of research articles
- Proposing a new research project to funding agencies
- Continuing the PG and PhD research guidance
- National Surveillance programme for Aquatic Animal Diseases –Phase II scheme till March 2025.
- The objectives of the EDII Scheme will be accomplished.
- The Ph.D. Students research work will be continued
- The courses of the Department of Fish Processing Technology will be handled.
- To offer courses pertaining to fish quality and safety to the B.F.Sc. degree students
- To carry out research works on fish quality assurance
- To guide the PG and Ph.D. degree students in the field of fish quality assurance.
- To serve as fish quality monitoring and certification centre
- To impart training to personnel of seafood processing industries, fisherfolk, SHGs on fish quality and safety.
- Continuation of extension activities related to Fishing technology through popular Articles, guest lectures, training and awareness programs.
- Offering new UG and PG courses in the coming semester
- Submission of research articles

**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**

- Library will conduct a model and mock competitive exam interview for students with a external expert. This will help students to improve their interpersonal skills such as face to face interview, group discussion, group presentations, problem solving etc.
- Culture of milkfish in lined ponds will be undertaken at PRFF centre, Pazhaverkadu.
- The experimental trail on influence of eyestalk ablation on maturity in mudcrab *Scylla Serrata* will be undertaken.
- Tamil text books for two courses in first and second semester B.F.Sc. will be completed.
- To handle UG, PG & Ph.D. courses in the both offline and hybrid mode
- To carry out the project work to the next/further stages viz. (NADP, JTRF) etc.
- To create the public awareness among the aquafarmers on disease diagnostics and health management strategies in the Fisheries and Aquaculture sector (1 Nos).
- One research paper will be submitted in due course.
- One awareness program proposal will be submitted on Sustainable Management of Artificial Reef.
- Preliminary communication works for IPT of final year students 2020-21 batch in January 2024 and Coordinating IPT from February 2024.
- Dr. L. Suruilivel, AP, DFEES, will attend 10 days course on "Advanced Statistical and Machine Learning Techniques for Analysis of Agricultural Research Data" to be organized by Banga Krishi Viswavidyalaya (UBKV), Cooch Behar, West Bengal from 19.02.2024 to 28.02.2024.
- Dr. Lloyd Chrispin C, AP, DFEES, will attend 21 days summer school on Quantitative Techniques for Agricultural Policy Analysis to be organized by ICAR – National Institute of Agricultural Economics and Policy Research (NIAP), New Delhi from 08.03.2024 to 28.03.2024.
- Proposal on "Setting up of a small scale fish meal production unit at Pazhaverkadu and Kasimedu for a budget Rs. 180 lakhs, Agency – TN Government will be submitted.
- Training programme on "Frozen Fish Products" and "Fish Pickle" for entrepreneurs will be conducted on demand basis.
- MOU/MOA with other private entrepreneur will be initiated.
- Technical article in Tamil & English will be submitted.
- The Manuscript on application on multilayer film will be sent for publication.
- The research project on Biodegradable packaging material/fish processing waste utilization will be submitted for external funding.
- The guidance and counseling unit will organize special lectures for the benefits of the students.
- Exposure study visit will be arranged to visit the Ice plant as part of Refrigeration and Equipment Engineering course to the 2<sup>nd</sup> year (2022-23 batch) students.
- Exposure study tour for the 2021-22 batch students to FRP boat building yard for FS:309: Fishing Craft Technology course is planned.
- A project proposal will be submitted on Energy Consumption in fishing sector for budget support for external funding agency.



- Live programme will be conducted on the theme of "Sea safety to the Fishermen" on January in DD Pothigai.
- One popular article will be submitted to Meenvalachudar
- Tamil Textbook will be completed.
- Two research papers will be communicated in due course.
- One popular article will be communicated.
- JTRF work will be carried out on the project title "Studies on Taxonomic Evaluation and Stock Assessment of Marine Clupeiforms Fishes (Family: Clupeidae and Engraulidae) employing traditional molecular tools along the Coromendal Coast of Tamil Nadu, Southeast Coast of India.

**(iii) College of Fisheries Engineering, Nagapattinam**

- To initiate NAAC & NBA accreditation process for B.Tech.(FE)
- Implementation of class committee Meeting
- Documentation of activities by Students Counsellors
- 8<sup>th</sup> BoS will be conducted
- 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**

- Continuing the assessment of feedback responses from the students
- Syllabus revision
- Appreciation of the students by rewarding for their academic performance.

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

- Continuing the assessment of feedback responses from students
- Appreciation of the students by giving advice and motivation in their academic pursuit.
- Identification of mentor from outside the institute to share the knowledge and also facilitate in doing research.
- Encouraging the students to take up research projects in consultation with their mentor which will be useful for the PI as well as generation of data for future used by the PI of the discipline.

**(vi) TNJFU, Institute of Fisheries Business School, Vaniyanchavadi**

- BBA & MBA students to enroll in MOOC, NPTEL, Swayam and course ERA
- FDP to be organized by faculty members of FBS
- Skill development initiative to be implemented for BBA and MBA (FEM) students.

**(vii) College of Fish Nutrition and Food Technology, Madhavaram**

- The External IQAC Meeting will be conducted on 23.01.2024
- The Internal IQAC Meeting was conducted on 09.01.2024
- To discuss with the External Members about Internship and Placement activities
- Conducted awareness program through IQAC
- Dean will discuss with the faculty to prepare and publish the research paper related to food and fish.

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

- Preparation training proposal on "Deep Sea Fishing Techniques" with the funding support of Department of Fisheries and Fishermen Welfare, Ramanathapuram
- Preparation proposal on 'Establishment of Deep Sea Training Centre at Kanyakumari' with the funding support of NABARD
- Conduct a Level 7 examination for the batch of 2020-21
- Conduct the Level 5 and Level 6 examination for the batch of 2022-23 and 2021-22

**(ix) Directorate of Incubation and Vocational Training in Aquaculture, Chennai**

- Guest Lectures from industries and other universities to be arranged.
- Students Grievance and redressal meeting to be conducted.
- Frequent field visits for the students to Farms, hatcheries, industries and TNJFU centres to be arranged.
- Skill based training programs to be arranged.
- Regular class committee meeting to be conducted and file to be maintained.
- DIVA Library to be updated with resources.
- Feedback from the students to be collected periodically.
- Faculty empowerment programs to be encouraged.
- Laboratories to be further strengthened.
- Course files to be maintained.
- Parent teacher meeting to be arranged.
- Greening of campus to be ensured.
- Research trials to be conducted.

**Sd-/-----  
Name & Signature of the  
Director / Coordinator, IQAC**