TAMIL NADU Dr. J. JAYALALITHAA FISHERIES UNIVERSITY

Self Study Report for College

Submitted by

Dr. M.G.R. Fisheries College and Research Institute

Oradiyampulam, Thalainayeru – 614 712

Nagapattinam District

Tamil Nadu

6.5. SELF STUDY REPORT FOR THE COLLEGE

Tamil Nadu Dr. J. Jayalalithaa Fisheries University (TNJFU) was established in 2012 in Nagapattinam district under Tamil Nadu Fisheries University Act, 2012. This Institute was declared open by the then Chief Minister of Tamil Nadu, Selvi. J. Jayalalithaa. The Tamil Nadu Government has permitted (G.O.No.184 dated 21.09.2017) Fisheries College and Research Institute, Thalainayeru to start the B.F.Sc. (Bachelor of Fisheries Science) Degree Course from the academic year 2017 with an initial student strength of 20 as per the prevailing University norms. Fisheries College and Research Institute, Thalainayeru was renamed as Dr. M.G. R. Fisheries College and Research Institute, Thalainayeru as per G.O.No. 21 dated 16.02.2018. The intake of students was subsequently raised from 20 to 30 during the academic year 2018-19 and 30 to 40 from the academic year 2019-20 onwards.

OBJECTIVES OF THE INSTITUTE

- To develop, equip and supply professionally qualified and socially responsible manpower to cater to the needs of fisheries sector at the state and national levels.
- To undertake basic and applied research in the field of fisheries for the benefit of stakeholders.
- 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.

6.5.1. COLLEGE ADMINISTRATION

As per the prevailing University (TNJFU) Statutes, Dean is the Head of the Institute. Dean will be responsible for resident teaching, research and extension education at the college. The information regarding overall college administration is given below (6.5.1.1 to 6.5.1.7).

6.5.1.1. COLLEGE DEAN'S OFFICE ESTABLISHMENT

The college has sanctioned post of Dean which will be filled by selection method after advertisement in the news papers and on university website. The selection of the Dean is done as per the provisions laid down in the TNJFU Statute and for the tenure of three (03) years.

Name of the position (sanctioned)	Name of the Officer (at present)	Date of the appointment	Tenure	Appointed/ Nominated
Dean	Dr. S. Balasundari, M.F.Sc., Ph.D	26.11.2019	3 years from the date of appointment	Appointed

The Dean has separate office for overall supervision and administration of the institute and the details are given below.

NON TEACHING STAFF: SANCTIONED STRENGTH, POSITION AND VACANCY (AS ON 10.02.2022)

Sl. No.	Name of the Post	Sanctioned strength	Staff in position	No. of Vacancy
1.	Administrative Officer	1	0	1
2.	Assistant Accounts Officer	1	1	0
3.	Superintendent	2	2	0

4.	Assistant	3	3	0
5.	Junior Assistant	2	2*	0
6.	Typist	4	3*	1
7.	Steno – typist	2	0	2
8.	Lab Technician	2	0	2
9.	Lab Assistant	2	0	2
10.	Driver	2	2	0
11.	Assistant Engineer	1	1	0
	Total	**22**	**14***	**8**

Note: *One Junior Assistant and three Typists were filled up on contractual basis

Space of the office

Facility	**Area (in Sq. ft)**
Administrative & Academic buildings	44,717
Students Hostel	32,000
Housing for staff	16,220
Playground	1,18,928.45
Marine Engineering Workshop	3,874
Incubation Centre	3,744
Farmers' Training centre cum hostel	3,496
Open space	3,92,948
Garden/Lawn area	39,572.4
Total Area	**6,55,499.85**

6.5.1.2. MONITORING MECHANISM FOR QUALITY EDUCATION (ON-LINE):

TEACHING:

The Dean, head of the institute supervises the faculty and student activities in the classrooms through internet enabled Closed-Circuit Television (CCTV).At present, there are dedicated CCTV cameras in all the four UG classrooms and also in the examination hall. With the help of this provision, the Dean ensures students and teachers time bound engagement in the class hours. Students of the institute are encouraged to provide feedback through online tools like “Google forms”. At the end of every semester, a structured questionnaire is given to each student to give their feedback to assess the teaching and learning process for the courses they have studied in that particular semester. Such mechanism is helping teachers to understand the graphical/percentage wise opinion of overall students in a particular matter. Students also give their feedback through individual mails as well as WhatsApp groups created for respective batches. In addition to it, in the dedicated counseling time, the student coordinator and counselor of the respective batch of students are appraising the students’ learning progress more importantly getting their feedback about the teachers and their teaching skills.

RESEARCH:

The staffs have many research projects funded by external funding agencies and University. The progress of research is evaluated once in 6 months by the Vice Chancellor and Director of Research to assess the progress. Dean of the college monitors the progress of research every month and report to the university. The staffs of this institute also serving as PG/Ph.D. students’ advisory committee members for other constituent colleges of the University.

EXTENSION:

The institute has an Annual Training Schedule (ATS) based on which trainings are being conducted on various fisheries technologies A dedicated trainees' whatsApp group is immediately formed by the training coordinator after training and the same is used as an interactive platform for feedback of the training through which further improvements in the upcoming training programmes are made.

6.5.1.3. CC/BOARD OF STUDIES:

Dr. M.G.R. Fisheries College and Research Institute, Thalainayeru is a constituent unit of Tamil Nadu Dr. J. Jayalalithaa Fisheries University hence it adheres to TNJFU's Act, Statutes, Regulations and Rules. As prescribed in section 26 of the Act, each faculty shall have a Board of studies with following members.

Chairman

- Dean of the faculty- As Chairman of Board of Studies

Members of Board of Studies

- Other Deans within the University
- All Directors of the University
- Controller of Examination
- Heads of the departments of the concerned Faculty
- Six elected representatives of two form Professors, Associate Professors and Assistant Professors of faculty
- Two experts in the concerned subject from outside the university to be nominated by the vice-chancellor

DATE OF CONDUCT OF MEETINGS FOR LAST FIVE YEARS AND MAJOR RECOMMENDATIONS

Date of Conduct of meetings	Recommendation made
II BOS 18.09.2015	• Addition of a course on Fish immunology (1+1) for B.F.Sc. • Modifications in B.F.Sc. Curriculum in the courses offered in Department of Aquaculture, Fish Processing Technology and Fisheries Extension • Provision of separate seats for state department and industry sponsored candidates in M.F.Sc. & Ph.D. programs • To increase the period of study for part time Ph.D. students
III BOS 08.07.2016	• To fix the percentage for entry of the other state Fisheries college students in PG programmes of TNFU • The Department of Aquaculture, FC&RI, Ponneri to offer M.F.Sc and Ph. D degree • To enable the PG &Ph.D students to work in Research Projects funded by Industries/External funding agencies from 1st year onwards simultaneously along with course work • Adopting the new Syllabus as per ICAR 5th Deans committee recommendations for the B.F.Sc degree programme from the academic year 2016-17

	• Reorganizing the available staff in 7 Departments suggested as per the 5th Deans' committee recommendations at FC & RI, Ponneri
IV BOS 06.03.2017	• Synopsis approval for P.G and Ph.D. students – Guidelines • To start M.F.Sc., programme in the Department of Aquatic Animal Health Management, Department of Aquatic Environment Management, Fish Processing Technology at FC&RI, Ponneri
V BOS 22.9.2017	• Semester-wise re-distribution of courses for B.F.Sc. • Rearrangement of syllabus / course contents for B.F.Sc. • Rearrangement of courses offered by the Department of Fisheries Biology and Resource Management in different semesters • To complete the Students Research Guidance Workshop during middle of the II semester for PG students • Fish Nutrition related UG course to be shifted from Dept. of Aquaculture to the newly created Department of Fish Nutrition & Feed Technology • To reschedule students READY programme
VI BOS 02.02.2018	• To raise the limit for Chairmanship of advisory committees. • To start new M.F.Sc. programme in Fish Nutrition

	and Feed Technology • To revise the period for submission of Thesis synopsis. • To increase the number of credit load offered per semester for UG.
VII BOS 06.07.2018	• To fix the time limit for completion of B.F.Sc degree • To develop evaluation criteria for the students READY programme offered during 7th semester (0+20) and 8th semester (0+20) • To consider courses only from ICAR approved PG programmes as minor course in all departments. • To evaluate research credits of PG programmes through online video conference mode by the members of advisory committees working outside the college/institutes. • To introduce public viva voce for Ph.D. students to defend the thesis • To introduce pre-thesis submission seminar for postgraduate students.
VIII BOS 20.07.2019	• To start Ph.D. Programme in Fish Nutrition and Feed Technology • To start B.Voc Degree Programme in Aquatic Animal Health Management (AAHM) by the State Referral Lab for Aquatic Animal Health, TNJFU Madhavaram campus

	• To start B.F.Sc., degree programme on Self Finance Mode at Kanyakumari District • To fix procedures for the conduct of Pre-thesis submission seminar • To fix procedures for the conduct of open viva-voce for Ph.D.Students • To include students as member in Board of Studies (Fisheries Science)
IX BOS 09.10.2020	• To increase the pages and reduce font size in M.F.Sc and Ph.D. Thesis from 2018-19 batches onwards • To waive the mandatory requirement of minimum of one publication in a peer reviewed journal with NAAS rating above 6 before the conduct of the viva-voce examination for M.F.Sc Students • To change the credit hours required in the existing syllabus of the B.Voc. AAHM to maintain uniformity in the general education and skill components • To re-define the education qualifications for students seeking admission to B.Voc. (Industrial Fishing Technology) degree programme • To interchange the course components between V and VI Semester of B.Voc (Industrial Fish Processing Technology) degree programme. • To add Internship programme of Industrial

	Aquaculture, Industrial Fishing Technology, Aquatic Animal Health Management in addition to Industrial Fish Processing Technology in TNJFU B.Voc Regulations – Academic programme under 2.8. Registration in the subsequent semester • To add 'ASCI' next to 3.4. FICSI in B.Voc TNJFU regulations - Academic Rules under 3.System of Education (B. Voc. Degree)
X BOS 04.03.2021	• To ensure uniformity in the names of the departments of the Colleges offering B.F.Sc programme. • To finalize the modalities for Student Research Guidance Workshop • To make external expert as Chairman of a PG/Ph.D. student if a student's entire research work is carried out in the external expert's organization • To modify the existing eligibility norms for Ph.D. admission • To reduce the minimum score requirement for service candidates of Tamil Nadu Fisheries Department in entrance examination for PG/Ph.D admission • To consider the evaluation of semester final theory answer scripts of UG, PG & Ph.D. as per the vth Deans committee by the internal experts of TNJFU at the Head Quarters, Nagapattinam (By faculty

	staff other than the course teacher) • To evolve criteria for revaluation/ retotalling for regular and arrear examination marks • To combine two environmental science courses into one course and addition of one general education component course entitled Critical thinking, academic writing and presentation in the syllabus of B.Voc (IFPT) degree programme

6.5.1.4. ANTI-RAGGING CELL:

An anti-ragging committee has been constituted and the members of the committee are visiting the hostels (Boys and Girls) between 5.00 PM and 9.15 AM and the reports are sent to the dean.

6.5.1.5. BIOLOGICAL WASTE DISPOSAL FACILITY:

The biological wastes generated out of the student practical are subject to decomposition in a compost pit. One Assistant Professor is deployed as an in charge for monitoring proper disposal of biological waste.

6.5.1.6. INSTITUTIONAL ETHICS COMMITTEE FOR EXPERIMENT ON ANIMALS:

The Institutional ethical committee regulates and monitors the rational use of fishes for the experiments. The committee is also involved in drafting and review of procedures and protocols related to fish experiments. Institutional Animal Ethics Committee is formed at university level for monitoring the experiments in the constituent units. In this institute SOP (Standard Operating

Procedure) for each laboratory has been prepared and obtained approval from university for adoption in all the laboratories.

6.5.1.7. COMMITTEE FOR PREVENTION OF SEXUAL HARASSMENT OF WOMEN AT WORK PLACES:

Vishaka Committee of the University has been formed with effect from 20.02.2015. The member of the committee includes technical and administrative staff. The committee will meet based on the complaints registered and till date no complaints have been registered. In addition to this the institute has Women cell formed on 10.03.2021. The cell consists of one Assistant Professor as Chairman, one Assistant Professor and one administrative staff as members. There is no complaints received so far.

6.5.2. FACULTY

6.5.2.1. FACULTY STRENGTH:

Sl. No.	Sanctioned Faculty	Faculty in place	Sanctioned posts	Vacant position against sanctioned post
1.	Professor	1	3	2
2.	Associate Professor	0	6	6
3.	Assistant Professor	15	20	5
4.	Assistant Professor (Contractual)	6	12	6
	Total	**22**	**41**	**19**

6.5.2.2. FACULTY PROFILE (DEPARTMENT WISE):

LIST OF TEACHING STAFF SANCTIONED - STRENGTH, POSITION AND VACANCY AS ON 10.02.2022

Sl. No.	Name of the Post	Sanctioned strength	Staff in position	No. of Vacancy
Dean's Office				
1.	Dean(Professor)	1	1	-
I - Department of Aquaculture				
1.	Professor	1	0	1
2.	Associate Professor	2	0	2
3.	Assistant Professor	5	4	1
4.	Assistant Professor (Contractual)	3	2	1
II- Department of Aquatic Animal Health Management				
1.	Assistant Professor	3	2	1
2.	Assistant Professor (Contractual)	2	1	1
III – Department of Fisheries Resource Management				
1.	Associate Professor	1	0	1
2.	Assistant Professor	3	3	0
3.	Assistant Professor (Contractual)	2	1	1
IV – Department of Aquatic Environment Management				
1.	Associate Professor	1	0	1
2.	Assistant Professor	2	2	0
3.	Assistant Professor (Contractual)	1	0	1
V – Department of Fish Processing Technology				
1.	Professor	1	0	1
2.	Associate Professor	1	0	1
3.	Assistant Professor	3	2	1
4.	Assistant Professor (Contractual)	2	1	1
VI - Department of Fishing Technology and Fisheries Engineering				

1.	Associate Professor	1	0	1
2.	Assistant Professor	2	1	1
3.	Assistant Professor (Contractual)	1	0	1
VII - Department of Fisheries Extension, Economics and Statistics				
1.	Assistant Professor	2	1	1
2.	Assistant Professor (Contractual)	1	1	0
	Total	**41**	**22**	**19**

6.5.2.3. CREDENTIALS OF THE FACULTY:

The institution has employed competent faculty members with required qualification to accomplish the objectives of the institution.

Sl. No.	Name	Designation	Educational Qualification	Work Experience
1.	Dr. S. Balasundari	Dean	M.F.Sc., Ph.D	25 years 5 months
Department of Aquaculture				
2.	Dr. J. Jaculine Pereira	Assistant Professor and Head	M.F.Sc., Ph.D	14 years 7 months
3.	Dr. M. Menaga	Assistant Professor	M.F.Sc., Ph.D	2 years 4 months
4.	Ms. M. Muthu Abishag	Assistant Professor	M.F.Sc	11 months
5.	Mr. P. Yuvarajan	Assistant Professor	M.F.Sc	11 months
6.	Mr. M. Mohamed Faizullah	Assistant Professor	M.F.Sc	4 years 8 months

		(Contractual)		
7.	Mr. G. Raghu	Assistant Professor (Contractual)	M.F.Sc	6 years
Department of Aquatic Animal Health				
8.	Mrs. S. J. Abisha Juliet Mary	Assistant Professor	M.F.Sc	10 months
9.	Dr. M. Petchimuthu	Assistant Professor (Contractual)	M.F.Sc., Ph.D	1 year 11months
Department of Fisheries Resource Management				
10.	Mr. S. Santhoshkumar	Assistant Professor and Head	M.F.Sc	11 years
11.	Dr. A. Subburaj	Assistant Professor	M.F.Sc., Ph.D	2 years 3months
12.	Mr. S. Kesavan	Assistant Professor	M.F.Sc	11 months
13.	Mrs. V. Lakshme Gayathre	Assistant Professor (Contractual)	M.F.Sc	6 years
Department of Aquatic Environment Management				
14.	Dr. P. Elakkanai	Assistant Professor	M.F.Sc., Ph.D	2 years 2 months
15.	Ms. S. Deepika	Assistant Professor	M.F.Sc	11months

Department of Fish Processing Technology				
16.	Dr. V. Alamelu	Assistant Professor and Head	M.F.Sc., Ph.D	6 years 8 months
17.	Mr. V. Vijayarahavan	Assistant Professor	M.F.Sc	4 years 7 months
18.	Mrs. S. Vimaladevi	Assistant Professor	M.F.Sc	4 years 7 months
19.	Dr. T. Nirmal	Assistant Professor (Contractual)	M.F.Sc., Ph.D	2 years 1 month
Department of Fishing Technology and Fisheries Engineering				
20.	Mr. V. Durai	Assistant Professor	M.F.Sc	11 months
Department of Fisheries Extension, Economics and Statistics				
21.	Mrs. C. Jeevitha	Assistant Professor and Head	M.F.Sc	9 years 10 months
22.	Dr. R. Palani	Assistant Professor (Contractual)	M.Phil, Ph.D	4 years 10 months

PROFESSIONAL LICENSURE AND CERTIFICATIONS, HONOURS AND AWARDS OF THE FACULTY

Name	Designation	Honours and awards
Department of Aquaculture		
Dr. M. Menaga	**Assistant Professor**	1. Dr. T. M. Samocha Gold medal for the best outgoing student in Ph.D. in aquaculture during 2019 2. G. Victoria – Suga Felix Vice Chancellor gold medal for the best aquaculture fisheries technologist during 2019 3. Recipient of "Best Paper Award" on at the 6th National Conference on Agriculture Scientific Tamil organized by Agriculture Scientific Tamil Society, New Delhi during 2020
Ms. M. Muthu Abishag	**Assistant Professor**	1. Dr. K. C. Naik Award for securing 1st rank in the all-India level ranking for Best Fisheries Graduate of India (BFGI) examination 2016-17 2. Sardar Buta Singh Medal for the Best M.F.Sc., Student 3. Dr. T. M. Samocha Gold Medal for the Best Thesis in M.F.Sc. (Aquaculture) 4. Chancellor of TANUVAS Justice Ms. M. Fatima Beevi Award for Best

		M.F.Sc., Student in Aquaculture 5. DSA- Gold Medal for the Best Thesis in M.F.Sc. (Aquaculture) 6. Best Student Award for outstanding performance in II M.F.Sc. 7. TNFU Gold Medal for securing University First Rank in B.F.Sc. 8. Parasakthi Vaithilingam Excellence Cash Award for the best outgoing B.F.Sc., student. 9. POSEIDON BIOTECH Award for the top scoring B.F.Sc. Student. 10. R. Swaminathan award for the best B.F.Sc., student.
Mr. M. Mohamed Faizullah	**Assistant Professor (Contractual)**	TNJFU Best Teacher award for outstanding performance in teaching during 2019
Department of Fisheries Resource Management		
Mr. S. Santhoshkumar	**Assistant Professor**	TNJFU Best Teacher award for outstanding performance in teaching during 2019
Dr. A. Subburaj	**Assistant Professor**	1. "Chief Guest Dr. V. Rajagopalan Award" for Best M.F.Sc. Student in Fisheries Biology from Tamil Nadu Fisheries University during 2014 2. "Best Paper Award" on at the 5th National Conference on Agriculture

		Scientific Tamil organized by Agriculture Scientific Tamil Society, New Delhi during 2019 3. "Best Volunteer Award" from Agriculture Scientific Tamil Society, New Delhi during 2019 for valuable contribution.
Mr. S. Kesavan	**Assistant Professor**	Received "Best Short Video Award" in the National Conference on Marine Debris COMAD 2018 organized by The Marine Biological Association of India held during 11th & 12th April, 2018 at Kochi.
Mrs. V. Lakshme Gayathre	**Assistant Professor (Contractual)**	1. Best Paper Presentation Award at national conference organized by Agricultural Scientific Tamil Society, New Delhi on 23.8.2014 at TNAU, Coimbatore. 2. Best Teaching Assistant Award of Dr. MGR Fisheries College and Research Institute, Ponneri during 2017.
Department of Aquatic Environment and Management		
Dr. S. Deepika	**Assistant Professor**	1. Dr. S.L. Metha Award by TNJFU during 2017 2. "Best Student Award" of Fisheries College and Research Institute, Thoothukudi for outstanding academic

		performance in Ph.D. during 2019.
Department of Fish Processing Technology		
Dr. S. Balasundari	Dean	1. Secured first rank in Agricultural Research Service Examination 1992 in the discipline of Fish Processing Technology 2. Awardee of ICAR JRF during 1990-92 for doing PG in Fish Processing Technology 3. Best KVK for the year 2009 awarded by ICAR, New Delhi - Member of Team award by the Vice Chancellor, TANUVAS 4. Best Paper Presentation Award at national conference held at Coimbatore organized by All India Scientific Tamil Society, Tanjavur during 9.2.2013 and 10.2.2013. 5. Best Paper Presentation Award at national conference organized by Agricultural Scientific Tamil Society, New Delhi on 23.8.2014 at TNAU, Coimbatore. 6. Best Teacher Award for the year 2015 conferred by the Vice Chancellor, TNJFU

		7. Best Popular Article award conferred by ASTS, New Delhi on 14.6.2015 at MVC, Chennai for the article on Commercial importance of seaweeds published in Kalnadaikathir 8. "Distinguished women in Fisheries Science 2017" from the Center for Women Development, Venus International Foundation, Chennai 9. "Distinguished woman in Science 2018" from the Center for Women Development, Venus International Foundation, Chennai 10. Best Women Scientist Award for the contribution of exceptional service rendered to the farmers and fishers conferred by Society of Krishi Vigyan, New Delhi during 2020. 11. Scientific Tamil Excellence Award for the exceptional contribution of research articles in Tamil conferred by Agricultural Scientific Tamil Society, New Delhi during 2020.
Dr. V. Alamelu	Assistant Professor	1. Best Teaching Faculty Award for teaching awarded by TNJFU during 2019.

		2. Appreciation Award by TNJFU during 2019 for obtaining research project funded by DST-SERB.
Mrs. S. Vimaladevi	Assistant Professor	1. Best Teacher Award in Republic of Maldives (2012) 2. Best poster award for the poster entitled "Development and Characterization of Bio nano composite Films for Shrimp Packaging" at CBPST, Cochin.

6.5.2.4. TECHNICAL AND SUPPORTING STAFF:

STATUS OF OVERALL ADMINISTRATIVE, TECHNICAL AND SUPPORTING STAFF AS ON 10.02.2022

Sl. No.	Name of the Post	Sanctioned strength	Staff in position	No. of Vacancy
Administrative Staff				
1.	Administrative Officer	1	0	1
2.	Assistant Accounts Officer	1	1	0
3.	Superintendent	2	2	0
4.	Assistant	3	3	0
5.	Junior Assistant	2	1+1*	0
6.	Typist	4	3*	1
7.	Steno – typist	2	0	2
8.	Lab Technician	2	0	2

9.	Lab Assistant	2	0	2
10.	Driver	2	2	0
11.	Assistant Engineer	1	1	0
	Total	**22**	**10 + 4***	**8**
Technical and Supporting Staff*				
1.	Skipper	1	1	0
2.	Boson	1	1	0
3.	Engine Driver	1	1	0
4.	Mechanic Grade I (Mechanical Engineering)	1	1	0
5.	Mechanic Grade I(Electronics and communication)	1	1	0
6.	Mechanic Grade II (Marine Diesel Mechanic)	2	1	1
7.	Turner	2	0	2
8.	Fitter	2	0	2
9.	Welder	2	1	1
10.	Deck-hand	3	1	2
11.	Lab. Technician	4	4	0
12.	Lab. Assistant	4	1	3
13.	Fishermen / Fish Processing Technician	15	2	13

14.	Drivers	2	2	0
15.	Farm Manager	2	1	1
16.	Farm/ Hatchery Technician	2	1	1
17.	Hatchery Manager	2	0	2
18.	Farm / Hatchery Supervisors	6	2	4
19.	Electrician	1	1	0
20.	Plumber	1	1	0
21.	Helper	4	3	1
22.	Care takers	4	1	3
23.	Cook	2	2	0
24.	Sweeper cum scavenger	4	4	0
25.	Security	10	6	4
Total		**79**	**39**	**40**
Total Non-Teaching Staff (Administrative Staff + Technical and Supporting Staff)		**101**	**53**	**48**
*Engaged on contractual basis on monthly consolidated pay				

6.5.3. LEARNING RESOURCES:

6.5.3.1. COLLEGE LIBRARY:

The College library is located at ground floor of the college. The Library of this institute caters to the fisheries technical needs of the user end groups. The overall administrative control of library is vested with Dean of this Institute. The library is open to students and staff members from 9.00 a.m. to 5.00 p.m. on all working days and from 9.00 a.m to 4.00 p.m on Saturdays. The library has a rich collection of around 985 numbers of text books and reference book, 48 manuals, 229 e-books, 400 Tamil e-books and 13 journals in all branch of fisheries science and the collection is ever increasing.



The library facility consists of book section, reading hall, periodical section, and newspaper section. The reprography section and scanning facility is available for all students and staff of this college. Nominal charge is collected for photocopying service. The library has seating capacity of 84 students. The KOHA software is mainly used for library management and database of book in transition. The college library is monitored with CCTV facility. The college library is

equipped with Wi-Fi facility to the students and staff. The library has five computers with internet access.

6.5.3.2. LABORATORIES, INSTRUCTIONAL FARM, WORKSHOPS, DAIRY PLANT, VETERINARY CLINIC, HATCHERY, PONDS ETC.: LABORATORIES

Departments	**Name of laboratories and units**	**Area** (sq. feet)
Aquaculture	Aquaculture laboratory	1112
	Live feed culture unit	172
	Fish nutrition & feed analysis laboratory	1112
	Biofloc demonstration unit	2842
	Azolla culture unit	57
	Backyard ornamental fish culture unit	175
Fisheries Resource Management	Fisheries biology laboratory	1112
	Finfish and shellfish Museum	294
Aquatic Environment Management	Aquatic environment management laboratory	1097
Aquatic Animal Health Management	Molecular diagnosis laboratory	1104
Fish Processing Technology	Biochemistry laboratory	1111
	Fish processing laboratory	1097
	Microbiology laboratory	1097

Fishing Technology and Fisheries Engineering	Fishing technology and fisheries engineering laboratory	1112
Fisheries Extension, Economics & Statistics	Computer laboratory	1102

All these laboratories and facilities are being utilised for imparting practical education, advance research study and hands on training to the students, researchers, entrepreneurs, farmers etc.

LABORATORY FACILITIES OF Dr. M.G.R FISHERIES COLLEGE AND RESEARCH INSTITUTE, THALAINAYERU



Aquaculture Lab



Aquatic Animal Health Lab



Biology Lab



Fish Processing Lab



Fishing gears and crafts Lab



Aquatic Environment Lab



Biochemistry Lab



Microbiology Lab

INSTRUCTIONAL FARM

This college has acquired land for instructional farm and the construction of the farm is in progress

- Brackish water Instructional Farm at University Headquarters, Nagapattinam with the total area of 2 Ha.
- Freshwater Instructional Farm at Korukkai with the total area of 5.81 Ha

AZOLLA CULTURE UNIT

Azolla is an excellent inexpensive feed and more environment friendly as it bind nitrogen directly from air. The Azolla culture unit of this institute has 2 HDPE sheets with total area of 57sq.ft. The azolla cultured here is used as feed ingredient for ornamental fishes and research trials.



LIVE FEED CULTURE UNIT

To cater to the requirement of ornamental fish culture, live feeds such as Chlorella, Spirulina, Nanochloropsis are being cultured.



BIOFLOC DEMONSTRATION UNIT

Biofloc demonstration unit with an area of 2842 sq.ft was established inside the campus with 5 numbers of tanks with 500 litre capacity each. GIFT Tilapia was stocked and ideally adopted to the biofloc systems.



BACKYARD ORNAMENTAL FISH CULTURE UNIT

This unit has facility for breeding and rearing of commercially important ornamental fishes in the FRP tanks and aquarium tanks.



6.5.3.3. STUDENT READY PROGRAMME / IN-PLANT TRAINING / INTERNSHIP / EXPERIENTIAL LEARNING:

IN- PLANT TRAINING:

To enrich the practical knowledge of the students, in-plant training is mandatory in the seventh semester. Such in-plant trainings will provide an industrial exposure to the students as well as to develop their career in the high tech industrial requirements. In-Plant training is meant to correlate theory and actual practices in the industries. It is expected that sense of running an industry may be articulated in right way through this type of industrial attachment mode.

The In- Plant Training (IPT) provides a unique opportunity for the students to work with the fishermen, fisherwomen, fish farmers, entrepreneurs and NGOs in their farms and homes and get exposure to the commonly felt and unfelt problems and needs of the fisher folk. With sound basic background, this practical field experience equips the students fully with desired professional skills and enabling them to serve the fish processing and fish farming communities.

The students are guided by the faculty members assigned for the purpose of implementing this programme. Duration of the IPT is one semester (110 – days) during the seventh semester of fourth year B.F.Sc. degree programme

PROGRAMME OF WORK

The In- Plant Training (IPT) (0+20) for the final B.F.Sc, is offered with the following programmes.

The In- Plant Training (IPT) (0+20)

Spilt up details of the programme

a)	Registration & Orientation Programme	:	1 day
b)	Aqua industry including farm Hatcheries, Ornamental fish culture units, Feed mill	:	50 days
c)	Seafood Processing Plants	:	20 days
d)	Presentation of the IPT	:	2 days
e)	Written Examination and Viva – Voce	:	2 days
f)	RFWE (Rural Fisheries Working Experience)	:	10 days
g)	AIST (All India Study Tour)	:	25days
			110 days

i) Aquaculture Industries experience (50 days)

The students shall involve in the day to day activities in the freshwater composite/ornamental fish farms/shrimp farms, gather information from their host fish farmers and shall maintain the record of daily work done. The students shall become familiar with the aspects like pond preparation, fertilization,

stocking, aeration, feeding, water exchange and sampling. The water quality management, feeding schedule, fertilization schedule etc. will be recorded. The disease encountered will be studied both in the field and laboratory and remedies will be suggested.

The students will be exposed to the fish/shrimp hatchery management techniques involving themselves in various operations from brooders collection, their maintenance, spawning and hatching. The students will get practical experience on food and feeding, culture of algae, artemia cyst hatching, water quality, prophylactic and therapeutic treatments for both the brood stock and young ones and economics of the hatchery.

ii) Fish processing industries experience (20 days)

The student will undergo the training programme for 20 days in fish processing plants to gain knowledge about the functions of fish processing plants. The students would be involved in day- to - day operations (raw material procurement, weighing, cleaning, processing, freezing, packing, etc.) along with the processing plant workers. Besides, information on quality control, preparation of value added fishery products, their storage and distribution shall be collected and analysed.

iii) Examination / evaluation

At the end of the IPT programme, the evaluation will be conducted to analyse the performance of the students. Evaluation includes written test, Presentation of IPT and Viva – Voce.

Rural Fisheries Work Experience is a part of seventh semester to make the students aware of the socio-economic conditions of the fishing villages and the livelihood status of the fishers. They also get an exposure on the fish landings and fishing crafts and gears used in the nearby fishing villages. They identify the problems and suggest solutions for development of the fisherfolk

Industrial personnel from Aquaculture and Fish Processing are serving as Adjunct Faculty for teaching and field exposure. This facilitates the student to be aware of industry requirements and to develop their skill sets to make them employable.

Such exposure has helped the students in getting better understanding of the modern technologies associated with fish farming and processing. The knowledge and skill acquired in Student READY programme helps the students in finding suitable jobs in fisheries industry.

ELIGIBILITY

The students who have successfully completed all the course works in the six semesters of the B.F.Sc. programme are eligible to register for IPT programme. The registration for IPT should be done on the first day of the IPT programme. The students should not delay the registration at any cost. The orientation would be on the first day of the commencement of IPT programme

ATTENDANCE

The programme will be conducted in all days (including Sundays) excluding Government Holidays. The attendance requirements for the programme shall be 95%.

PROGRAMME MONITORING

IPT programme will be monitored by the IPT in-charge and monitoring team which consists of staff of various Departments assigned to guide the students for the whole duration of IPT programme.

EVALUATION

Every student shall be evaluated individually by an assessment /evaluation committee based on the submission of records, presentation of IPT programme, performance in the written test and viva-voce. Every student has to prepare the records in his/her own hand writing based on the daily field observation note books maintained by them. The students should not use printed or typed material in the preparation of in plant training records. Marks distribution for In-Plant training is as follows:

1) Written test	:	30
2) Presentation of the in-plant training	:	30
3) Record/Report of the programmes	:	20
4) Work diary	:	10
5) Viva –Voce	:	10
Total		**100**

The evaluation will be conducted on the last two working days of the programme.

EXPERIENTIAL LEARNING PROGRAMME:

Students register for ELP during the eighth semester for 20 credits, ELP in Aqua farming (0+10) and ELP in Fish Post Harvest Technology (0+10) are being offered. Evaluation is done after the completion of 105 working days as per the evaluation criteria suggested by ICAR.

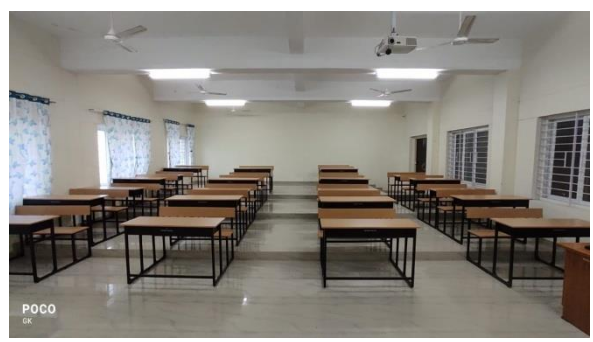
Experiential learning programme facilitates the students to develop analytical and entrepreneurial skills and knowledge through hands on experience to build up confidence in their ability to design and execute the work assigned.

Skill Development Programme in seventh semester includes formulation and preparation of aqua feed, analysis of soil and water quality parameters and preparation of fishery products which will enable the students to acquire the skills to enhance their employability.

No ELP unit sanctioned by the ICAR is available for the college.

6.5.3.4. CURRICULA DELIVERY THROUGH IT (SMART CLASS ROOMS/INTERACTIVE BOARD ETC.)

The college is having four smart classrooms with a seating capacity of 65 students at a time and monitored by CCTV cameras. There are four classrooms, each classroom of 1200 sq. feet area is available in the college campus. The classrooms are well equipped with audiovisual aids and the lectures are delivered through power point presentations. Educational videos, short films, etc., are screened to the students to convey concept with clarity.



6.5.4. STUDENT DEVELOPMENT:

6.5.4.1. STUDENT INTAKE AND ATTRITION:

The information about student intake and attrition of the UG programme for last five years is given below:

Actual student admitted in last five years						**Attrition (%)**				
Name of the degree programme	**Y1** 2017 - 2018	**Y2** 2018 - 2019	**Y3** 2019 - 2020	**Y4** 2020 - 2021	**Y5** 2021 - 2022	**Y1** 2017 - 2018	**Y2** 2018 - 2019	**Y3** 2019 - 2020	**Y4** 2020 - 2021	**Y5** 2021 - 2022
B.F.Sc.	21	31	43	44	47*	-	-	2.3% (1 No)	-	-
*Admission is in progress and closes on 31st March 2022										

6.5.4.2. AVERAGE NUMBER OF STUDENTS IN THEORY AND PRACTICAL CLASSES:

Name of Degree Programme	**Batch of students in theory class**	**Batch of students in practical class**
B. F. Sc.	01 batch of 45 students in theory class	01 batch of 45 students in practical class

6.5.4.3. ADMISSION PROCESS:

UNDER GRADUATE PROGRAMME

Dr.M.G.R. Fisheries College and Research Institute, Thalainayeru is a constituent college of Tamil Nadu Dr. J. Jayalalithaa Fisheries University and the following admission process is adopted by the University.

- Online Admission process is adopted from the academic year 2015-16. The University publishes an advertisement in leading newspapers and at University website (www.tnjfu.ac.in) after declaration of the XII standard results.
- Candidates for admission to the B.F.Sc.,degree should satisfy the following requirements

i. A pass in the Higher Secondary Course (10 + 2)

ii. The candidates should have studied Biology or Zoology and Botany, Physics, Chemistry under the HSC system and secured eligible minimum marks as per the existing Government Rules

iii. The candidates from the Higher Secondary Course (10 + 2) Vocational stream with Fisheries vocational course are eligible for the B.F.Sc., degree programme

- With the abovementioned requirements, the eligible candidates apply online by uploading required documents on or before the last date of submission of application form.
- Downloaded filled-in application should not be sent by post, except for the Fishermen Wards Special Category and Sports Category. The candidates applying under Sports Category should send a copy of the downloaded filled in application with the attested copies of all the sports certificates for the last 4 years.
- Candidates applying under Fishermen Wards Special Category also should send a copy of filled in application along with attested copies of certificates by post.

- No addition, deletion or alteration of any particulars relating to the application is permitted after the submission of the application.
- The University carries out the scrutiny of documents and prepare a provisional merit list.
- The merit lists will be uploaded in University website.
- *First Round of admission* - Eligible candidates will be called for counselling as per their merit list. Selected candidates can choose any one of the constituent college of their choice available at the time of counselling. If a candidate desires to be in the waiting list, he / she will not be given any confirmed seat in other colleges. The waiting list will be filled by second counselling.
- The allotment list is displayed on website and the intimation regarding the same is sent to the candidates on their mobile phone & email address.
- After allotment of admission, the candidate personally has to visit the allotted college along with the printout of allotment letter, all original documents and admission fees to confirm his/her admission within stipulated period of time.
- Candidate is admitted provisionally till he / she registers him/herself in the concerned college where the seat is allotted.
- Candidate has to pay the college fees at the time of confirmation of admission at college level.
- *Second Round of admission* - The seats remaining vacant after first round of admission are filled during the second round as per prescribed procedure.
- *Third Round of admission* - The seats remaining vacant after second round of admission are filled during the third round as per prescribed procedure.
- *Special Round of admission* -The seats remaining vacant after third round of admission are filled during the special admission round.

REGISTRATION PROCESS

After receipt of admission letter, admitted candidate reports to the Dean for registration of first semester. The students have to register in consultation with the coordinator. The duly filled registration forms signed by student, coordinators and course teachers within prescribed time are submitted to the Academic cell, failing which the admission is cancelled. In absentia registration is not allowed in any case.

6.5.4.4. CONDUCT OF PRACTICAL AND HANDS ON TRAINING:

Theory and practical schedules: At the commencement of a semester, the theory and practical schedules should be drawn for a course by the course teacher and concerned head of the department and circulated to the students with a copy to the Dean. The instruction should be strictly adhered according to the schedule. The Head of the department / Dean shall ensure that the schedule is adhered to and alternate arrangements are made to cover up the loss in case of any eventualities of unavoidable reasons that lead to non-adherence of the above schedule.

Practical class: Number of practical classes conducted by the course teacher from the first working day (i.e. the second day of registration, unless otherwise specified) as per the time table, to the final practical class. The practical examination shall be conducted on the final practical class of the concerned course in a semester.

The faculty strives to conduct the regular practical for each course as per the course curriculum laid down by ICAR. In addition field exposure is provided to the students through field visits to institutes, industries, hatcheries, farms, lakes, rivers and reservoirs, etc., located in and around Tamil Nadu, specifically to ensure the curriculum fulfilment and regional fisheries and aquaculture needs. Study tours are regularly conducted to provide practical exposure to the students

in the coastal areas as the college is geographically located in an inland area. Practicals are conducted in batches in order to provide more exposure to individual student following the 'learning by doing' principle.

The college is having a biofloc demo unit, Azolla unit, ornamental fish culture unit, etc. where the students get hands-on–training experience under aquaculture module. The students are involved in brood stock development, induced breeding, nursery rearing, fingerling production, soil and water quality management, feed formulation, preparation of farm made feed, feed management, insect eradication, etc. Likewise in the post-harvest technology module the students gets *hands-on–training experience* by carrying out fish market survey, fish drying, fish de-scaling, fish meat separation, fish filleting, etc on their own. The quality control aspects like microbial examinations are carried out in the microbiology laboratory. Value added fish based extruded and baked products, dry fish, smoked fish, fish balls, fish cutlet, fish burger, fish baji, fish pizza, fish pickle, fish curry in retort pouch etc) are prepared by the students in the value addition laboratory. Further the students also undergo In-plant Training on shrimp farming, carp farming and Tilapia farming at farms in Tamil Nadu and Andhra Pradesh coastal stretches and renowned fish processing industries in Thoothukudi, Chennai and Pondicherry where they receive the skills and training on the latest technologies in fish farming and fish processing.

6.5.4.5. EXAMINATION AND EVALUATION PROCESS

Courses with Theory and Practical: Out of 150 marks for a course, the internal theory and internal practical shall be conducted for 20 marks and 50 marks separately and evaluation is done by the course teacher. The final external theory examination shall be conducted for 80 marks and evaluation is done by the external examiner.

Students absenting from class by prior arrangement on official University business shall be given due consideration and may be permitted by the Faculty Dean concerned to take up supplementary examination that are missed, at the discretion of the Dean concerned, provided the student satisfies the minimum requirement of attendance and pays an additional examination fee of Rs. 200/- (Rupees two hundred only) for each examination. Such supplementary examination shall be completed before 100 working days. Answer papers pertaining to examinations for internal theory shall be returned to the students within 7 working days after the conduct of the examination. The students shall have the option to request the teacher for clarification of any doubts in evaluations, provided such request is made immediately after the answer papers are distributed. This, however, shall not apply for the final external theory examination. The final external theory examinations shall be conducted by the University with two hours of duration. For setting question paper and evaluation, the concerned faculty Dean shall identify and recommend the external experts and send it to the Controller of Examinations in confidential letter. There shall be no arrear examination in between final external theory examinations.

Practical (50 marks): Conducted by the course teacher at the end of the semester preferably in the final practical class of the respective course. Out of 50 marks, 10 marks shall be allotted for practical records 35 marks for doing laboratory practical / and another 5 marks for viva – voce.

The marks obtained for 150 (theory 100 + Practical 50) shall be converted to 100 for the purpose of calculation of the grade point.

Course with theory alone: The maximum mark is 100 out of which 20 marks shall be allotted for internal theory examination.

Course with practical alone: Conducted by the course teacher at the end of the semester preferably in the final practical class of the respective courses. Out of 50 marks, 10 marks shall be allotted for practical records; 35 marks for doing laboratory practical and another 5 marks for viva – voce. The examinations for courses with practical only shall be conducted for 50 marks and converted to 100 marks and converted to 100 marks for the purpose of calculation of the grade point.

Students who miss the final external theory examination shall be awarded "F" (FAIL). A minimum of 50% in theory/practical separately with an aggregate of 50% shall be essential to get a pass in a subject.

Students who miss the internal theory examination shall be permitted to take the final external theory examination provided they are eligible otherwise. However, they will lose the maximum of 20 marks meant for internal theory examination. There shall be no supplementary examination under any circumstances for final external theory examination. Students who were awarded 'F' shall take the examination in the subsequent semesters. No University examinations shall be conducted in between during the semester. The marks obtained under internal theory examination shall be taken as such for the second and subsequent attempts. The marks statement for the courses showing internal theory examination, internal practical examination and attendance particulars shall be sent to the Controller of Examinations before the completion of final external theory examinations.

Evaluation for Internal Examinations:

a. The course teachers set the question papers and evaluate answer papers for all the internal examinations.

b. The mark statement is submitted to the respective Head of the Department(s)/Students Co-coordinator. The Coordinator in turn will countersign and send them to the Dean. The Dean's office should prepare a mark statement for each course and send them to the Controller of Examination, Nagapattinam. However, there is a provision for verification of marks for semester end theory and practical examination.

GP for the course = Percentage marks obtained in the course ÷ 10

GPA for the course = (Percentage marks obtained in the course ÷ 10) x Course Credits

6.5.4.6. NCC/NSS/RVC UNITS:

The Department of Youth Affairs and Sports in the Ministry of Human Resources Development, Government of India, sponsors the National Service Scheme Programme. This college is having a self finance National Social Service (NSS) unit started in 2019. The students admitted to the college are enrolled for NSS. NSS activities comprises of two heads *viz.*, Regular NSS activities and NSS special campaign programme. Various programmes such as blood donation, tree plantation, awareness programme on Corona, Swachh Bharat Abhiyan, etc. are organized as special campaigns. Every year special camps for 7-10 days are organized in selected villages, enriching students with the experience of the social works, social living and leadership etc. The intake capacity of NSS volunteers is 60 students. As a step to introduce the concept of responsibility, discipline and self sufficiency, the College organizes the NSS activities. Students voluntarily register and participate in the trainings, camps organized from time to time. NSS helps the students to grow individually and also as a group making them confident, develop leadership skills, and gain

knowledge about society. NSS is helping students' societal discipline and in organizing societal activities for benefit of people.

Blood Donation Camp 2020

The NSS Unit of Dr. M.G.R. Fisheries College and Research Institute, Thalainayeru and Blood Bank, Government Hospital, Nagapattinam jointly organized blood donation camp on 10.01.2020 at the institute. Twenty students and ten staffs have donated blood.

Blood Donation Camp 2021

The NSS Unit of Dr. M.G.R. Fisheries College and Research Institute, Thalainayeru and Blood Bank, Government Hospital, Nagapattinam jointly organized blood donation camp on 08.01.2021 at the institute. Fifteen volunteers have donated blood and an appreciation certificate was also distributed to the volunteers.

Turtle walk campaign

NSS Unit has arranged turtle walk campaign from 04.03.2021 and 05.03.2021. Final year students (2017-18 batch) involved in the collection of turtle eggs at different regions viz, Poombhukar, Thoduvai and Chinnangudi shores. Totally 21 students have involved in the activity along with NSS Coordinator.

Voter Awareness campaign rally

As a part of NSS programme, students were involved in creating awareness among the fisherfolk for 100% voting in the assembly election on 04.03.2021 at Nagapattinam Fishing Harbour organized by the State Fisheries Department, Forest Department and Coast Guard of Nagapattinam.

NSS camp

The NSS camp for the third year B.F.Sc students held at Mannakudi village from 25.08.2021 to 28.08.2021. Programmes such as cleaning of community places, plantation of tree saplings, eye camp, awareness campaign on fisheries technologies, general health check-up for villagers, veterinary camp, sports activity and cultural programme were organized for the benefit of villagers. About 500 people of Manakkudi village were benefited from this programme.

People's Campaign against throwaway Plastics

1. To create awareness on "Non usage of throwaway plastics" Dr. M.G.R. Fisheries College and Research Institute, Thalainayeru has organized an awareness programme on "Prevention of ghost gears and nets" on 27.12.2021 at Vedaranyam fishing village. Totally 100 fishers from 5 fishing villages of Vedaranyam region have attended the programme.
2. Awareness on "Single Use Plastic ban in Tamil Nadu" was created among the students and usage of cloth bags was encouraged.
3. To create awareness among the public about plastic pollution, the students were actively involved in distribution of cloth bags to the customers in various places like fish market, grocery shop, vegetable shop, etc in Thalainayeru.
4. To tackle and avoid the imminent crisis of plastic usage in the college premises, Dr. M.G.R. Fisheries College and Research Institute, Thalainayeru has been declared as "No Plastic Zone" to discourage the use and disposable of single use plastics.

6.5.4.7. LANGUAGE LABORATORY:

The medium of instruction for the Bachelor of Fishery Science (B.F.Sc) degree programme is English. The students coming from rural areas face a little

difficulty in understanding the English language. The language laboratory unit is established in the library where the multimedia resources like e-books and CDs are installed in computers. Further books for development of English language have been purchased and kept in the college library.

6.5.4.8. CULTURAL CENTER:

A hall with 150 seating capacity with display screens and projector is available in the campus and being utilized as a cultural center to develop positive interaction among students.



6.5.4.9. PERSONALITY DEVELOPMENT:

Training is being regularly organized for the students on Personality Development by the trainers from renowned HRD organizations. Frequent guest lectures are also being delivered by HR experts, popular personalities from different walks of life, fisheries industrialists and alumni.

i. HRD workshop conducted

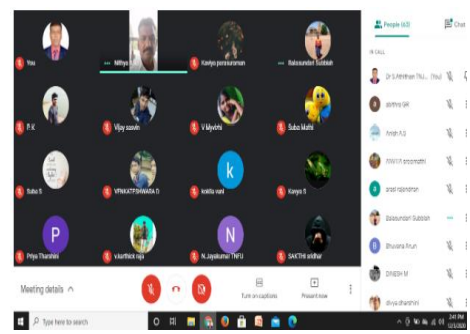
"Create Your Destiny" workshop was conducted from 19.12.2019 to 20.12.2019 by Mrs. Radha, SMART SERIES, Bangalore and the students were taught on various aspects like; goal setting, time

management, listening communication, mind power practices, power of subconscious mind, making gratitude as attitude and creative visualisation

ii. Interaction and experience sharing of self employed alumni

On the occasion of Agricultural Education Day on 03.12.2020, a virtual talk was given to the students on "Experience and success story of Shrimp farming" by Mr. Balakrishnan, Shrimp farmer and "Experience and success story of Seafood Processing and Export" by Mr. Joseph Raghunath, Managing Director, Danica Aqua Pvt Ltd., Vishakapattinam. They insisted upon the employment opportunities in seafood export sector and current scenario of placement of fisheries graduates in the sector.





iii. Entrepreneurial Skill Development Programme

In-house training programme for students on "Entrepreneurial Skills Development" was conducted on 09.11.2021. The training programme has following sessions on "Qualities of successful entrepreneur and Customer Centric Product/ Service Development". The students were encouraged to prepare business proposals. The sessions were handled by Mr. Senthil Kannan and Mr. Nelson from M/s. Pearlcity Academy for Leadership and Management Skills (PALMS) Trust, Thoothukudi.




iv. Tutorial Classes for students for preparing National and International Competitive Examinations

Tutorial Classes for students for preparing national and international competitive examinations was conducted from 06.12.2021 to 10.12.2021. The sessions were handled by six resource persons from Kalangarai IAS Academy, Nagapattinam. The students were given exposure on the different competitive exams and their question patterns. The resource persons handled sessions on Aptitude, Indian Politics, Economics, Arts and Culture, Tamil Literature and Grammar, Current Affairs and History. The undergraduate students of the institute were benefitted out of the classes.




6.5.5. PHYSICAL FACILITIES:

6.5.5.1. HOSTELS:

Both boys' hostel and girls' hostel are located within the premises of Dr. M.G.R. Fisheries College and Research Institute, Thalainayeru and students are accommodated separately. A hostel secretary assisted by hostel representatives from each year in both the hostels maintains the respective hostel premises under the direct supervision of the hostel administration.





Accommodation

There are 81 boys and 91 girls are staying in the hostel. A common mess is functioning for both boys and girls based on dividing system. A Mess Secretary assisted by mess representatives from each year in both the hostels maintains the mess under the direct supervision of the hostel administration.

Administration

The Hostel of Dr. M.G.R. Fisheries College and Research Institute is administered by one warden and two deputy wardens and one administrative staff assists the hostel administration.

Welfare

The Hostel Amenity Committee meets regularly in order to review the hostel accounts and mess rates and recommend necessary measures for the efficient and economical functioning of students mess. Every year Hostel day is

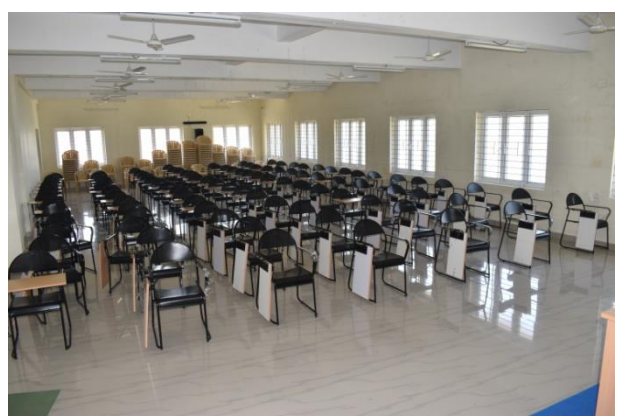
celebrated for the students' welfare to promote integrity, harmony and sportsmanship among the students. The hostel day in the reporting period was celebrated on 8th March 2021 with cultural programmes and fun games, and winners were awarded prizes. The hard work of the hostel office staff and mess staff was duly recognized with mementoes by the students to acknowledge their work.

Newspapers and periodicals (Weekly and monthly) are made available in the hostel campus for both the boys and girls. Magazines provided in the reading room help the hostel inmates to prepare for various other National and International competitive examinations.

Televisions are provided in both the hostels. One R.O plant (100 lit per hour) has been installed in the common mess for drinking water purpose. Facilities were provided for uninterrupted water supply and electricity to the boys and girls hostels.

6.5.5.2. EXAMINATION HALL:

A single examination hall of 2040 sq. feet area is available in the college campus, accommodating 100 students at a time and monitored by CCTV cameras.



6.5.5.3. SPORTS AND RECREATION FACILITIES:

Indoor games like table tennis, carrom, chess and shuttle court facilities are available for boys and girls students in the college. The outdoor games like foot ball, volleyball, kabadi are available in the college campus. The students of this college regularly participate in regional, state and national level sports events. The college also organises the intra college sports events to build up team spirit and sportsmanship among the students.



Event organized and participated:

- Mr. Ranjith Kumar, (2018-19 Batch) was selected for University Kabadi Team held at Fisheries College and Research Institute, Thoothukudi, Tamil Nadu during 7th - 8th January, 2018.
- Ms. S. Sakthi, (2018-19 Batch) bagged third position in the State level Inter University swimming competition organized by Kalasalingam Academy of Research and Education, Virudhunagar, Tamil Nadu held during 25th - 26th September, 2018.

- Five students had participated in 9th State Modern Biathle Championship for running and swimming competitions on 30.06.2019 at SDAT District Stadium, Nagapattinam.
- Thirty two students had participated in District level monthly sports meet for volleyball and table tennis on 11.10.2019.
- Sixty students had participated in Student's inter collegiate running race organized by TNJFU, Nagai on 31.10.2019.
- Thirty one students had participated in District level sports meet for athletics during 03.02.2020.
- Five students had participated and got selected for kabadi, volleyball and running at Fisheries College and Research Institute, Thoothukudi organized University player selection meet and pre-coaching camp for all university players during 22nd – 28th February, 2020 to participate in the 20th All India Inter Agri Sports and Games Meet.
- Five students had participated in various sports and games in 20th All India Inter Agri Sports and Games meet organised by SVVU, Tirupathi on 1st March to 5th march 2020.
- Ten students had participated in Table –tennis tournament organized by Friend's Table Tennis Academy, Velankanni on 07.03.2020.
- Mr. Deepan rajesh & Mr. Aravindraj from 2018-19 batch, Ms. Priyadharshini, Ms. Sowmiya, Ms. Sriranjini from 2020-21 batch has bagged the top 10 position out of 132 students in intercollegiate mini marathon "Run for Unity" conducted by Fisheries College and Research Institute, Thoothukudi on 31.10.2021

Annual Sports day celebration:

The First Sports Day of the Dr. M.G.R Fisheries College and Research Institute, Thalainayeru was celebrated on 2nd March, 2021. About 9 sports events (Indoor-4; Outdoor-5) were conducted and more than 100 students actively participated in the track and field events with true spirit of sportsmanship. Friendly sports events were also conducted between faculty and students.

Students' achievement in external competition

- Mr. Rujan (20178-18 batch) won first prize in the District level poetry competition conducted by Tamil Development Department, Nagapattinam on 29th June 2018.
- Ms. S. Archana and Ms. P. N. Aiswarya from 2018-19 batch bagged 1st and 3rd prize respectively in the District level Tamil poetry competition organized by Tamil Development Department, Nagapattinam at E.G,S. Pillai Engineering College during 14th September 2018.
- Three students had participated in the 3rd Students convention held at CIFE, Mumbai on 25th – 26th March 2019
- Mr. D. Venkateshwara and Mr. A. Muthukumar (2017-18 Batch) bagged 1st and 3rd prize in the national level online Quiz competition "Budding Fishcos" conducted by M/s Virbac Animal Health India Pvt Ltd, Mumbai during 19th and 20th November 2021
- Ms. Anvita Sreemathi (2019-20 Batch) and Ms. Sanjana Rajakumar (2020-21 Batch) bagged 2nd and 3rd prize in District Level elocution competition; Declamation – Contest on "Patriotism and Nation Building" conducted by Nehru Yuva Kendra at Prime College of Education, Kilvelur on 04.12.2021.

- Mr. Karthikraja and Ms. Laxmipriya bagged 1st and 2nd prize in Tamil Elocution competition organized by Tamil development Department held at Natarajan Dhamayanthi Higher Secondary School Nagapattinam Natarajan Dhamayanthi Higher Secondary School, Nagapattinam on 31.01.2022

6.5.5.4. AUDITORIUM:

Auditorium is not available in the campus. A multipurpose hall is available with a capacity to accommodate 200 persons. At present this hall is being used for all the events.

6.5.5.5. MUSEUM:

The Department of Fisheries Resource Management is maintaining a Fisheries Museum with an area of 294 sq. ft. in which about 290 finfish and shellfish specimens are in display. The details are furnished below.

Sl.No.	Particulars	Qty (Nos.)	Remarks
FINFISH MUSEUM			
1.	College Museum	1	294sq.ft. area
2.	Specimens display rack	15	Specimens display
3.	Finfish specimens	252	Preserved in jars
4.	Shellfish specimens	38	Preserved in jars
5.	Chart display boards	7	Wall mounted



6.5.6. RESEARCH FACILITIES

6.5.6.1. Laboratories and Equipments:

Sl. No.	Name of the Laboratory/Unit	Equipments/Facilities available
DEPARTMENT OF AQUACULTURE		
1.	Aquaculture Laboratory	• BOD incubator • Glass aquarium tanks • Imhoff cone/Imhoff cone rack • Multiparameter water quality analyser • Electronic weighing balance • Submersible pump • Air pump • Secchi Disc • Water bath • ORP meter • Tissue culture rack • Lux meter

		• Hemocytometer • Artemia culture cone • Plankton net • Laminar air flow cabinet • Sedgewick rafter counting chamber plastic • Tanks for algal culture (20 l)
2.	Fish Nutrition Laboratory	• Protein Analyser • Fat Analyser • Fibre Analyser • Vertical Autoclave • Appliances for making fish feed
		
3.	Live Feed culture unit	• Tissue culture rack • Lux meter • Hemocytometer • Artemia culture cone • Plankton net • Laminar air flow cabinet

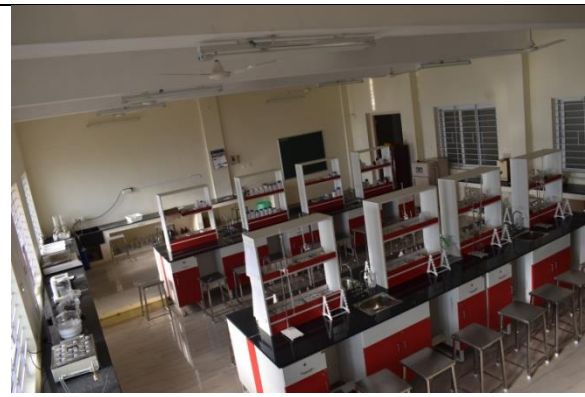
		• Sedgewick rafter counting chamber • Microscope • Air conditioner • Plastic cans for algae culture (20 l)
4.	Cryostorage unit	Liquid nitrogen container & accessories
5.	Backyard Ornamental Fish Culture Unit	• FRP tanks • Round cement cisterns • Air pump • Aquaponics demo tank
6.	Biofloc culture unit	• Biofloc PVC Nylon-Tarpaulin round tanks • Air compressor
7.	Azolla and Vermiculture unit	HDPE collapsible tanks
DEPARTMENT OF FISHERIES BIOLOGY AND RESOURCES MANAGEMENT		
1.	Fish Biology Laboratory	• Biological microscope • Trinocular microscope • Stereozoom microscopes • Dissection microscope • HDMI 5 mp camera with software and documentation system • Rotary microtome • Water bath • Electrophoresis unit

		• Deep Freezer • Refrigerator • Tagging gun • Digital Vernier caliper
		
DEPARTMENT OF AQUATIC ANIMAL HEALTH MANAGEMENT		
1.	Bacteriology Unit	• Vertical Laminar Airflow • Hand Refractometer • pH and DO Meter • Electronic Balance • Autoclave • Water bath • Trinocular Microscope • Hot Air Oven • Refrigerator • Microwave Oven • Bacteriological Incubator • Orbital Shaker

		
2.	Molecular Lab Unit	• Ultra Deep Freezer- Vertical • Gel electrophoresis Apparatus • Thermocycler • Mini spinner • Vortex mixture • 1 KVA Online UPS • Autoclave • Gel Documentation System • Bio photometer • Double Distillation Unit • Refrigerated Centrifuge • Heating Block • PCR Workstation



DEPARTMENT OF AQUATIC ENVIRONMENT AND MANAGEMENT		
1.	Water quality testing Laborotory	• UV Spectrophotometer • pH meter • BOD incubator • Hot air oven • Weighing balance • Muffle furnace • Flame photometer • Refrigerator • Automatic weather station • Microscope • Vaccum pump • Distillation unit • Hot plate



DEPARTMENT OF FISH PROCESSING TECHNOLOGY		
1.	Biochemistry laboratory	• Heating Mantle • Hot Plate • Hot air oven • Weighing Balance • Automatic Double distillation system • Protein analyzer • Fat analyzer • Fibre analyzer • Fume hood • Water bath • Muffle furnace • Refrigerator • Centrifuge • pH meter

		
2.	Processing Unit	• Flake ice machine • Continuous heat band sealer • Deep freezer • Air fryer • Sandwich maker • Double seaming machine • Over pressure retort • Sealing machine • Microwave oven • Grinder • Mixie • Weighing balance • Tray drier • Baking oven • Stainless steel tables – 3 Nos. • Refrigerator

		
3.	Microbiology laboratory	• PCR thermal cycler • Gel Documentation System • Bio-Spectrophotometer • Refrigerated micro centrifuge • Autoclave • Deep freezer • Refrigerator • Laminar air flow chamber • Hot air oven • Incubator • Colony counter • Magnetic spinner • Vacuum filtration unit • Trinocular Microscope • Binocular Microscopes • Hotplate • Weighing balance



DEPARTMENT OF FISHING TECHNOLOGY AND FISHERIES ENGINEERING

1.	Fishing gears and crafts lab Fishing craft Lab	Models of fishing gears • Gill net • Scoop net • Trawl net • Trammel net • Crab Trap • Stake net • Turtle excluding device • Trap model • Long line gear Accessories • Floats & Sinkers • Different types of Knots • Different types of Hitches • Different types of Bends Models of fishing crafts • Tuticorin boat

		• Rampani boat • Dugout canoe • Chinnamaram • Thundilmaram • Longliner with hook • Squid jigging with artificial fish • Gillnetter with gear • Bottom Trawler with gear • Out trigger Trawler
		
3.	Navigation and Seamanship Lab	• Life saving equipments • Compass boat type • Compass ship type • Navigational Lights • TPA • Azimuth circle • Hydrostatic Releasing gear • Line Throwing Apparatus • International code Flags

		• Navigational Marine Charts • Emergency communication Equipments • Navigation Marine chart papers • Fish Finding Equipments • Testirig refrigeration unit
		
DEPARTMENT OF FISHERIES EXTENSION, ECONOMICS AND STATISTICS		
1.	• Samsung LED “55” Display-1 and Display Stand • HP Laptop core i5 • BenQ LCD Android based Short through Projector • Cannon Multifunction Laser Printer • Green board • Audio visual aids for indoor and outdoor technology transfer programme • Business start up cell • Work under progress – Construction of Farmers’ Training centre cum hostel	

6.5.6.2. RESEARCH CONTINGENCY:

There is no separate allotment of research contingency for each department. The expenditure is met out from the institutional recurring contingency. But for the junior teachers, JTRF (Junior Teacher Research Fellow) grant is given by the university specifically to the winning proposals. There are 2 JTRF projects in operation in the college.

PROJECTS OPERATED/ IN OPERATION at Dr. M.G.R. FC & RI, Thalainayeru (2017 to 2022)

Sl. No.	Project Title	Funding Agency	Budget (in Lakh)	Date of start	Date of completion	Principal Investigator
COMPLETED PROJECTS						
1.	Assessment of fishing pattern and fishing pressure in Gulf of Mannar Coast	NAFCC through Dept. of Environment and Forest, Govt. of Tamil Nadu	21.00	27.07.2017	31.03.2019	Dr.B.Sundaramoorthy
ONGOING PROJECTS						
2.	Remergence	DST –	39.67	10.04.2019	09.04.2023	Dr. V. Alamelu

	of *V.vulnificus* risk in seafood safety in response to climatic changes	SERB New Delhi				
3.	TNJFU's Business incubators in aquaculture and fish processing to promote start-ups integrated fisheries entrepreneurship in Tamil Nadu State	NADP	72.00	26.07.2021	25.07.2022	Mrs. S. Vimaladevi

JTRF (JUNIOR TEACHER RESEARCH FELLOW) PROJECTS

Sl. No.	Project Title	Budget (in Lakh)	Date of start	Date of completion	Principal Investigator
1.	Development	2.00	26.06.2019	31.03.2022	Tmt. S. Vimaladevi

	and standardizatio n of health drink from Bio-modulated chitosan				
2.	Spatial Distribution of β-Lactam Resistance genes among *Vibrio* spp. isolated from Shrimp farms of Vedaranyam	2.00	29.10.2021	28.10.2022	Mrs. S.J. Abisha Juliet Mary

URP (UNIVERSITY RESEARCH PROJECT)

Sl. No.	Project Title	Date of start	Date of completion	Principal Investigator
1.	Formulation of Ulva based jam products	25.04.2019	24.04.2020	Th. V. Vijayarahavan

2.	Isolation and characterization of antimicrobial resistant gut microflora associated with farmed shrimps in Nagapattinam region	05.07.2021	04.07.2022	Mrs. S.J. Abisha Juliet Mary
3.	Investigation on the catching efficiency of Monofilament and Multifilament Gillnets being operated selected fishing villages of Nagapattinam District	06.07.2021	05.07.2022	Mr. V. Durai
4.	Studies on the low temperature	04.10.2021	03.10.2021	Ms. M. Muthu Abishag

	preservation of microalgae (*Navicula*sp.) isolated fromshrimp farms			
5.	Study on the impact of shrimp farms and anthropogenic activities on the water quality of the selected locations along Vedaranyam canal	11.10.2021	10.10.2021	Ms. S. Deepika
6.	Water hyacinth leaf meal in the diet of genetically improved farmed tilapia	15.11.2021	14.11.2021	Mr. P. Yuvarajan

EXTERNAL FUNDED TRAINING PROGRAMMES				
Sl. No.	**Title of the project**	**Budget received**	**Funding agency**	**Year**
1.	Preparation of value added fishery products for marketing	Rs. 20,000/-	MPEDA - NETFISH	2018
2.	Preparation of value added fishery products for marketing	Rs. 20,000/-	MPEDA - NETFISH	2018
3.	Preparation of value added fishery products for marketing	Rs. 20,000/-	MPEDA - NETFISH	2018
4.	Preparation of value added fishery products	Rs. 20,000/-	MPEDA - NETFISH	2018
5.	Preparation, quality control and marketing of value added fish and fishery products	Rs. 25,000/-	ICAR DG SC-SP	2020
6.	Production, quality control and marketing of value added fishery products	Rs. 50,000/-	ICAR DG SC-SP	2020
7.	Production, quality control and marketing of value added fishery products	Rs. 50,000/-	ICAR DG SC-SP	2020
8.	Preparation of value added fish and fishery products	Rs. 25,000/-	ICAR DG SC-SP	2020
9.	Ornamental Fish Farming	Rs. 25,000/-	ICAR DG SC-SP	2020
10.	Integration of Artemia in	Rs. 25,000/-	ICAR DG SC-	2020

	Salt Pans		SP	
11.	Pond based culture of Sea Bass by using Tilapia as forage fishes	Rs. 25,000/-	ICAR DG SC-SP	2020
12.	Seaweed Nutri drink	Rs. 50,000/-	ICAR - CIFT	2021
13.	Hygienic production, packing, branding and quality certification of fresh and dry Fish	Rs. 25,500/-	MANAGE, Hyderabad	2021
14.	Marine and freshwater aquaculture marketing system and distribution Channels	Rs. 1,27,000/-	MANAGE, Hyderabad	2021
15.	Recent advances in production, packing, branding, and quality certification of cured and dried fishes	Rs. 1,25,000/-	NFDB	2021
16.	Value-added products from freshwater fishes as an income-generating activity for farm women	Rs. 1,25,000/-	NFDB	2021
17.	Antibiotics in Fish Health	Rs. 50,000/-	NFDB	2022
18.	Effective Utilization of Multi Purpose Farm ponds for fish culture	Rs. 50,000/-	NFDB	2022
19.	Recent advances in production, packing, branding, and quality certification and marketing of cured and dried fishes	Rs. 50,000/-	NFDB	2022

20.	Importance of feed and feeding management to increase the aquaculture production	Rs. 1,25,000/-	NFDB	2022
21.	Probiotics role of biofloc in aquaculture	Rs. 1,25,000/-	NFDB	2022
22.	Life saving equipment, navigational signals and responsible fishing practices	Rs. 1,25,000/-	NFDB	2022
23.	Value added products from freshwater fishes s an income generating activity for farm women	Rs. 1,25,000/-	NFDB	2022
24.	Production, packaging, quality control and marketing of products from seafoods	Rs. 1,18,500/-	NFDB	2022

IMPORTANT PUBLICATIONS

1. Beenamol, C., Karthy, A., Neethiselvan, N., **Sundaramoorthy, B.,** Athithan, S., and Ravikumar, T. 2017. Traditional Fish Trading Practices along Eayam coast of Kanyakumari District, Tamil Nadu. *Journal of Experimental Zoology of India*. 2: 1059 - 1063.
2. Karthy, A., Neethiselvan, N., **Sundaramoorthy, B**., Shanmugam, S.A., Ravikumar, T., and Beenamol, C. 2017. Comparison of catching efficiency of serial collapsible crab traps with crab gill net operated along the Gulf of Mannar, India. *Journal of Experimental Zoology of India*. 2: 1231 - 1237.

3. Amala Shajeeva, J., Neethiselvan, N., **Sundaramoorthy, B**., Masilan, K., Arunjenish, D., Rajakumar, M., Ravikumar, T., and Baiju, V. 2017. Carbon emission due to excess fuel consumption by the trawlers of Thoothukudi, Southeast Coast of India. *Carbon Management*. 1758: 1 - 6.
4. **Arul Oli. G**., **Santhakumar, R**., Veerabhadran, K., Neethiselvan, N., and Jawahar, P. 2017. Extent of Utilization of Information communication technologies by the fishermen of costal districts of Tamil Nadu. *Journal of Inter Academica*. 21(3): 307 – 322
5. Chadurna, R.D., **Santhakumar, R**., Veerabhadran, K., and David Kingston, S. 2017. Women entrepreneurship in fish trade. *Journal of Inter Academica*. 21(3): 297-300.
6. Vasantharajan, M., Jawahar, P., **Santhoshkumar, S**., and Ramyalakshmi, P. 2019. Age, Growth and Mortality characteristics of *Lethrinus lentjan* (Lacepede, 1802) exploited off Thoothukudi coast, Tamil Nadu, India. *Indian Journal of Geo Marine Science*. 46 (11): 2367 – 2371.
7. Rameshkumar, **Sundaramoorthy, B**., Neethiselvan, N., Athithan, S., Rajan kumar, Shikha Rahangdale and Sakthivel, M. 2018. Length based population charcteristics and fishery of skipjack tuna, katsuwonus pelamis (Linnaeus, 1758) from Tuticorin waters, Tamil Nadu, India. *Journal of Geo Marine Science*. 48 (1): 52 - 59.
8. **Gowsalya, T**., Kanaga, V., and **Mohamed Faizullah, M**. 2019. Analysis of fish production and marketing structure in Aliyar reservoir. Indian *Journal of Animal Reserach*. B-3875: 1 – 6.
9. **Umamaheswari, T**., Rajakumar, M., Sugumar, G., and Santhakumar, R. 2020. Value chain analysis of farmed shrimp sector in Tamil Nadu. *Indian Journal of Fisheries*. 67(3): 127 - 134.

10. Sivaraman, B., Jeyasekaran, G., JeyaShakila, R., Lidiya Wilwet, **Alamelu, V**., Aanand, A., and Sukumar, D. 2019. Molecular identification of *Lutjanus* species by PCR-RFLP analysis of mitochondrial 12S rRNA region. *Journal of Food Composition and Analysis*. 84:103329:
11. Bharathipriya Rajasekaran., **Balasundari Subbiah**., Nimish Mol Stephen., Muralidharan Nagarajan and Satheesh Muniasamy, 2020. Design, fabrication, and validation of ohmic heater to process green mussel meat. *Journal of Food Processing and Preservation*. DOI: 10.1111/jfpp.15511.
12. **Subburaj, A**., Jawahar, P., Jayakumar, N., Srinivasan, A., and Ahilan, B. 2020. Effects of acute toxicity of Chlorpyrifos (EC 50%) and associated histological alterations in Gills, Liver and Kidney of Mozambique Tilapia, *Oreochromis mossambicus* (Peters, 1852). *Indian Journal of Animal Research*. 54(12): 1497-1504
13. **Petchimuthu, M**., Rosalind George, M., Rijijohn, K., and Santhanakumar, V. 2021. Isolation, molecular characterization and virulence study (Pathogenesis) of *Photobacterium damselae* sub sp. damselae isolated from sea-cage and wild fishes. *Indian Journal of Animal Research*. 55: 679-688.
14. **Deepika, S**., Padmavathy, P., Srinivasan, A., Sugumar, G., and Jawahar, P. 2021. Effect of Triclosan (TCS) on the protein content and associated histological changes on tilapia, *Oreochromis mossambicus* (Peters, 1852). *Environmental Science and Pollution Research*. 28: 59899 – 59907.
15. **Selvam Kesavan**., Martin Xavier., Geethanjali Deshmukhe., Ashok Kumar Jaiswar., Shashi Bhusan and Satya Prakash. 2021. Anthropogenic Pressure on Mangrove Ecosystems: Quantification and Source Identification of Surficial and Trapped Debris. *Science of the Total Environment*. 794C: 148677

16. TenjiPem Bhutia., Vinod Kumar Yadav., Neha Wajahat Qureshi and **Kesavan, S**. 2021. *Indian Journal of Economics and Development*. 17(3): 20201
17. Rijijohn, K., Rosalind George, M., Mageshkumar, P., Mohamed Mansoor, M., Kaviarasu, D., Sivasankar, P., Selvamageshwaran, M., and **Petchimuthu, M**. 2021. Isolation and characterization of a novel Rhabdovirus from snakehead fish showing surface ulcerations and mortality from India: First report. *Aquaculture*. 544: 1 – 9.
18. **Yuvarajan, P**., Antony Cheryl., Gopalakannan, A., and Mahadevi, N. 2021. Effect of distillery spent wash as carbon source in biofloc system on nutrient profile of GIFT Tilapia. *Indian Journal of Animal Research*. DOI: 10.18805/IJAR.B-4321.
19. **Jayakumar, N**. 2021. An Annotated Checklist of Elasmobranchs along the Coromandel coast of Tamil Nadu, Southeast coast of India. *Indian Journal of Animal Research*. DOI: 10.18805/IJAR.B-4321.
20. **Deepika, S**., Padmavathy, P., Srinivasan, A., Sugumar, G., and Jawahar, P. 2021. Short Term Effects of Antimicrobial Agent Triclosan on *Oreochromis mossambicus* (Peters, 1852): Biochemical and Genetic Alterations. *Indian Journal of Animal Research*. Published online.
21. Sarojini, A., Gajendra and **Vijayarahavan, V**. 2021. Impact of pomegranate (*Punica granatum*) peel, seed and pulp extract on fat oxidation in sardine fish body oil. *Journal of Experimental Zoology, India.* 24(2): 1135 – 1142.
22. Sudharshan, S., **Vijayarahavan, V., Santhoshkumar, S., Subburaj, A., Alamelu, V**., and Krishnaveni, N. 2021. Length weight relationship and condition factor of invasive amazon sail fin catfish *Pterygoplichthys*

pardalis (Castelnau, 1855) in river fed ponds, Nagapattinam, Tamil Nadu). *Journal of Experimental Zoology, India.* 25(1).

23. **Santhoshkumar, S**., Jawahar, P., Srinivasan, A., Jayakumar, N., and **Subburaj, A**. 2021. Finfish Bycatch diversity of trawl fishery of Nagapattinam coast, Tamil Nadu, South India. *Indian Journal of Animal Research*. DOI**:** 10.18805/IJAR.B-4716.
24. Viswanth, G., **Balasundari, S**., Nimish Mol Stephen., Manikandavelu, D., Rathnakumar, K., and Veeramani, R. 2021. Optimization of Extrusion Process Using Response Surface Methodology for Producing Squid and Millet Based Extrudate. *Turkish Journal of Fisheries & Aquatic Sciences*. 22(2), TRJFAS20041

MoU WITH AQUA INDUSTRIES

- M/s. Siva Neela Fish Farm, Mayiladuthurai
- M/s. Bharat Aqua Farm, Kilvelur, Nagapattinam District
- M/s. Certitude Farms, Vetaikaraniruppu, Nagapattinam District
- AlgalR Nutrapharms Pvt Ltd, Thanjavur

WORKSHOPS/ WEBINARS ORGANIZED BY Dr. M.G.R FC& RI, THALAINAYERU (2017-22)

Sl. No.	Date	Title	No. of participants
Workshop			
1.	25.09.2018	CHOLA AQUA'18 on the theme "Scientific and Societal Challenges in Industrial Aquaculture	157

E-workshop			
2.	23.11.2020 and 01.12.2020 to 05.12.2020 (6 days)	Role of TNJFU Women Professionals in Fisheries and Aquaculture Development of Tamil Nadu	32
3.	11.01.2022	CHOLA AQUA'21 on the theme "Self Sufficient Aquaculture: Prism of Possibilities in the Present and Future	166
Online Training (Faculty Development Training)			
4.	10.08.2020 to 03.09.2020 (21 days)	Data Analytics in Fisheries	237
Webinar			
5.	21.07.2020	A Futuristic view on Contemporary Fish products, Packaging Technologies and Safety Guidelines	134
6.	12.10.2020 to 16.10.2020 (5 days)	Fisheries in COVID Times and After: Gender, Ground Truths and Growth	84
7.	28.07.2021	Current status and prospects of Indian Fisheries	95

8.	04.08.2021	Knock –on effects of climate change in increasing incidence of seafood – borne pathogens and toxins	64
9.	27.11.2021	Transformation of shrimp farming in India – sustainability and feasibility	58
Special lecture by international experts			
10.	19.06.2021	Spectrum of TNJFUans in Embellishing Global Fisheries Sector	100
11.	10.07.2021	Integrated Multi-Trophic Aquaculture (IMTA): a responsible and efficient circular practice providing important ecosystem services	101

TRAINING PROGRAMMES ORGANIZED AT Dr. MGR FC&RI, THALAINAYERU (2017-22)

Sl. No	Title of the training	No. of participants	Dates
1.	Freshwater fish culture in farm ponds	40	23.12.2017
2.	Hygienic fish handling practices on freshwater farm harvested fishes	40	23.12.2017
3.	Awareness programme on Freshwater fish culture	43	10.07.2018
4.	On farm water quality testing for the fish farmers	25	10.07.2018
5.	Preparation of value added fishery products	30	27.09.2018

	for marketing		& 28.09.2018
6.	Farm made fish feed preparation	16	25.02.2020
7.	Composite carp farming	6	10.06.2020
8.	Murrel farming	59	24.06.2020
9.	Murrel farming	16	25.06.2020
10.	Farm made fish feed preparation	46	06.08.2020
11.	Integration of artemia in saltpans	8	02.09.2020
12.	Farm made fish feed preparation	11	16.09.2020
13.	Liquid fertilizer preparation from seaweeds	11	07.10.2020
14.	Seaweed farming	5	27.10.2020
15.	GIFT Tilapia farming	15	10.11.2020
16.	Biofloc technology in farmers perspective	61	16.12.2020
17.	Know How on water quality parameters for the adoption of biofloc technology	15	17.02.2021
18.	Scientific pond construction for Fish & Shrimp Culture	33	30.04.2021
19.	Marketing and economics of small & medium scale business in aquaculture in today's context	10	26.05.2021
20.	A practical guide on significance of synbiotics in aquamimicry culture practices	50	30.06.2021
21.	GIFT farming: Practical solutions for increasing profit and productivity	12	26.08.2021
22.	Different generation of biofloc production systems	10	30.09.2021

23.	Unsung water and soil quality parameters in shrimp farming	6	28.12.2021 & 29.12.2021
24.	Installation of small scale biofloc unit and its operation	12	02.11.2021

6.5.7. OUTCOME/OUTPUT

6.5.7.1. STUDENT PERFORMANCE IN NATIONAL EXAMINATIONS:

Details of passed out students (2017-18, First batch from Thalainayeru campus) All students have passed out 04.09.2021 and their current status of higher studies and employment is given below.

Sl. No.	Name of the student	Current position	AIEEA Rank	
			Overall	Community
Higher Studies				
1.	Anish. A.S	PG Scholar, Department of Fish Nutrition and Feed Technology, KUFOS, Panangad	88	-
2.	Dinesh. R	PG Scholar, Department of Fisheries Extension, Economics and Statistics, ICAR-CIFE, Mumbai	190	19
3.	Elavarasan. G	PG Scholar, Department of Fish Processing	400	200

		Technology, Dr. MGR FC&RI, Ponneri		
4.	Gobi. G	PG Scholar, Department of Aquatic Environment Management, Dr. MGR FC&RI, Ponneri	208	110
5.	Gobika. K	PG Scholar, Department of Fisheries Extension, Economics and Statistics, ICAR-CIFE, Mumbai	90	49
6.	Kishoba. P	PG Scholar, Department of Aquaculture, FC&RI, Tuticorin	164	85
7.	Muthukumar. A	PG Scholar, Department of Fish Processing Technology, WBUAF, Kolkata	120	64
8.	Raj Vasanth .S.A	PG Scholar, Department of Aquaculture, FC&RI, Tuticorin	-	
9.	Ranjith kumar .V	PG Scholar, Department of Fisheries resources Management, Dr. MGR FC&RI, Ponneri	247	127
10.	Rujan .J	PG Scholar, Department of Fisheries Extension,	84	47

		Economics and Statistics, ICAR-CIFE, Mumbai		
11.	Siva .N	PG Scholar, Department of Aquaculture, ICAR-CIFE, Mumbai	26	-
12.	Thanuja .S	PG Scholar, Department of Aquatic Animal Health Management, ICAR-CIFE, Mumbai	10	6
13.	Varsha .D	PG Scholar, Department of Fish Processing Technology, ICAR-CIFE, Mumbai	13	8
Employment				
14.	Inpent campel.E	Quality Control Technologist at Nector Seafoods Pvt. Ltd, Puducherry	-	
15.	Kavya. S	Quality Control Technologist at Royal Marine Impex Pvt. Ltd., Ongole	166	87
16.	Meena. M	Development Assistant, MSSRF, Poompuhar	-	
17.	Venkateshwara. D	Technical Trainee at RGCA, Neelankarai,	-	

		Chennai		
Competitive exam preparation				
18.	Paveena .R	Preparing for Competitive examinations	161	84
19.	Pragathi .T	Preparing for Competitive examinations	325	167
20.	Rekha . P	Preparing for Competitive examinations	172	91
21.	Subha .M	Preparing for Competitive examinations	96	9

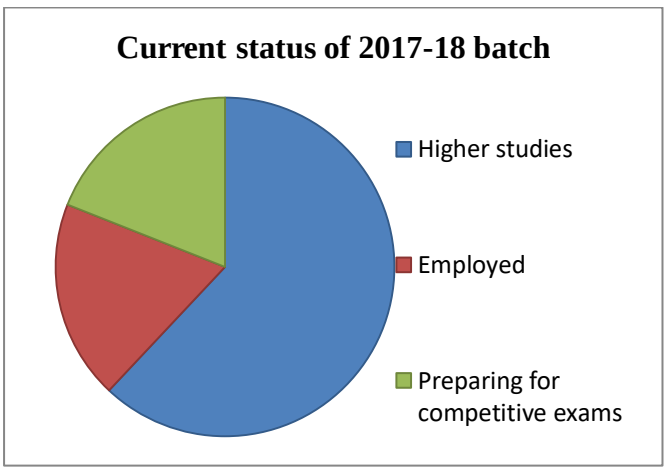
6.5.7.2. STUDENTS PLACEMENT PROFILE:

The Student's Placement and Career guidance cell of Dr. M.G.R Fisheries College and Research Institute, Thalainayeru arrange for the campus interview for the placement of graduates in aquaculture and fish processing industries. The cell maintains a database of graduates who have passed out from the institute and provides the list to various corporate companies for recruitment and educational institutes under SAUs. Further, the cell collects and disseminates information on higher education in India and abroad for the welfare of the student community.

During the reporting period, the cell arranged a campus interview by M/s. CP Aquaculture, Chennai for the benefit of outgoing UG students during September 2021. The staff have conducted twenty six ICAR - JRF mock examination for the benefit of the final year B.F.Sc. students appeared. Out of 18 students appeared, 8 Students have secured 10, 13, 26, 84, 88, 90, 96, 120 ranks in ICAR AIEEA – PG examination 2021 conducted at national level. Six students pursued PG admission in ICAR-CIFE, Mumbai, one student in West Bengal University of Animal and

Fishery Sciences (WBUAFS), Kolkata and one student in Kerala University of Fisheries and Ocean Studies (KUFOS), Kochi.

Four students are employed in RGCA, Chennai, MSSRF, Poompuhar and Nectar Seafoods Pvt. Ltd., Pondicherry and Royal Marine Impex Pvt. Ltd., Ongole, AP.



6.5.7.3. AWARDS/RECOGNITIONS/CERTIFICATES:

Awards/recognitions/certificates received by students

Batch	Name of the Student	Name of the Award	Conferred by
2017-18	Ms. Thanuja	ICAR JRF	ICAR, New Delhi

Awards/recognitions/certificates received by faculty: Details given in 6.5.2.3.Credentials of the Faculty

Awards/recognitions/certificates received by the institute

Name of the Award	Year	Conferred by
Best Constituent College Award	2020	Agricultural Scientific Tamil Society (ASTS), New Delhi
Best Performing Institute in 2021	2021	Tamil Nadu Dr. J. Jayalalithaa Fisheries University, Nagapattinam

6.5.7.4. EMPLOYABILITY:

As per the recommendations of Vth Deans' Committee, our students undergo "Student READY programme" during fourth year. The Student READY Programme includes In Plant Attachment (0+14 credits), Rural Fisheries Work Experience (0+4), All India Study Tour (0+2), Experiential Learning Programme (0+15 credits) and Skill Development programme (0+5 credits).

The In- Plant Training (IPT) provides a unique opportunity for the students to work with the fishers, fish farmers, entrepreneurs, industries and NGOs in their farms, hatcheries, feed mills, processing plants. Students get exposure to the commonly felt and unfelt problems in industries and needs of the farmers and fisherfolk. With sound basic background, this practical field experience equips the students fully with desired professional skills and enabling them to serve the fishing and fish farming communities.

Experiential learning programme facilitates the students to develop analytical and entrepreneurial skills and knowledge through hands on experience to build up confidence in their ability to design and execute the work assigned.

Rural Fisheries Work Experience is provided to make the students aware of the socio-economic conditions of the fishing villages and the livelihood status of the fishers. They also get an exposure on the fish landings and fishing crafts and

gears used in the nearby fishing villages. They identify the problems and suggest solutions for development of the fisherfolk

Skill Development Programme includes formulation and preparation of aqua feed, analysis of soil and water quality parameters and preparation of fishery products which will enable the students to acquire the skills to enhance their employability.

Industrial personnel from Aquaculture and Fish Processing are serving as Adjunct Faculty for teaching and field exposure. This facilitates the student to be aware of industry requirements and to develop their skill sets to make them employable.

Such exposure has helped the students in getting better understanding of the modern technologies associated with fish farming and processing. The knowledge and skill acquired in Student READY programme helps the students in finding suitable jobs in fisheries industry.

6.5.8. SSR for UG (B.F.Sc) Degree Programmes is attached

CERTIFICATE

I, the Dean **Dr. S. Balasundari** hereby certify that the information contained in Sections 6.4 and Section 6.5.1 to 6.5.7.4 are furnished as per the records available in the college and degree awarding university.

Signature of the Dean of the college with Date & Seal