

Self-Study Report

for
ICAR Accreditation
of
UG& PG Programmes
&
College of Fisheries



2019-20 to 2024-25



College of Fisheries, Kishanganj
Bihar Animal Sciences University
Patna-14

Self-Study Report

For
ICAR Accreditation
of
Undergraduate Programme
Postgraduate Programme
&
College of Fisheries
(2019-20 to 2024-25)

Submitted to

Education Division
Indian Council of Agricultural Research
New Delhi



College of Fisheries, Kishanganj
Bihar Animal Sciences University, Patna

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Self-Study Report for UG (B.F.Sc) Programmes in College of Fisheries

6.4: Self-Study Report for UG Programmes in College of Fisheries

6.4.1: Brief History of the Degree Programme: *Clearly mention in which year the degree program was initiated along with its objective and accomplishments.*

The College of Fisheries, Kishanganj was incorporated in the Bihar Animal Sciences University Act as one of its constituent colleges. This College is situated on the banks of river Mahananda in the campus of Dr. Kalam Agriculture College at Arrabari in Kishanganj district of Bihar. The Hon'ble Chief Minister of Bihar, Shri Nitish Kumar formally inaugurated and announced the start of first academic session of this college on 29th August 2018. This college offers a credible fisheries education institution that nurtures the next generation of professionals and entrepreneurs in the fisheries sector and contributes to the state and nation by pursuing innovations and research which is relevant to local needs and directed towards maximizing outcomes for economic, social and environmental well-being. The College of Fisheries is committed to become a centre of excellence in Fisheries education in the region.

The college is unique with state-of-the-art infrastructure including centrally air-conditioned academic and administrative buildings with smart classrooms, modern laboratories, and single-bedded hostel rooms for girls and boys, residential accommodation for faculty and staff, playground, indoor game facilities, health clinic, auditorium, well-equipped gymnasium, farm offices, wet laboratory and 36 acres of farmland.

College offers 4-year degree programme on Bachelor of Fisheries Science (B.F. Sc.). As per the ICAR Dean's committee recommendations, the college has implemented course modules vide Agenda Item No. 2 in the 2nd Academic Council meeting held on 19th May 2018. Presently six departments are established in the college. These are:

1. Department of Aquaculture
2. Department of Aquatic Environment & Animal Health Management
3. Department of Fish Genetics & Biotechnology
4. Department of Fish Nutrition, Physiology & Biochemistry
5. Department of Fisheries Resource & Post Harvest Management
6. Department of Fisheries Economics, Extension & Statistics

As per the ICAR Dean's committee recommendations and approval of the Academic council (2nd Academic Council meeting held on 19th May, 2018) & Board of Management (1st BoM meeting held on 22nd Jan, 2019) of Bihar Animal Sciences University, Patna, the B.F.Sc. Programme comprises of 6 semesters of course work, and two semesters of Field Experience/Experiential Learning/Hands on Training.

6.4.2: Faculty Strength: *The faculty strength of the Degree Programme needs to be given cadre-wise, both sanctioned and in-place (under the table mentioned below). Clearly mention the number of permanent faculty appointed for the Degree Programme, part time faculty being deputed from the other departments (in such case mention the name of these departments). If the Degree Programme is also taking the help of Research staff, extension staff, contractual faculty, guest faculty, adjunct faculty or any other arrangement being made to complete the curriculum, it should be clearly mentioned in the report.*

The driving force behind any successful academic programme is the faculty which steers the total momentum and progress. The College of Fisheries can claim to have a highly qualified and competent faculty which has been utilizing their expertise and resources to groom the future of Fisheries and Aquaculture students.

For teaching either regular or supportive non-credit minor courses as per the ICAR's V Deans' Committee recommendations sufficient teaching staff is available. The sanctioned faculty positions by the government of Bihar for running the under graduate programmes of B.F.Sc. in College of Fisheries are 84. The sanctioned posts of Professor are 15, Associate Professor 27 and Assistant Professor are 42. Out of 84 sanctioned posts, 34 positions were filled by regular staff. Further, nine Adjacent Professors are also appointed. The department-wise faculty positions sanctioned as well as in-position at college are given below:

Table1: Faculty Position in College (Approved, Filled and Vacant)

S. No		Designation	Sanctioned Posts	Posts Filled	Vacant Posts	Posts Recommended by ICAR
1		Professor	15	-	15	7
2		Assoc. Professor	27	2	25	11
3		Asstt. Professor	42	32	10	20
		Total	84	34	50	38

The detailed department-wise sanctioned and filled faculty position of the institute is presented below:

Table2: Department Wise Present Position of Teaching Faculty

Department	Faculty Positions Sanctioned			Faculty Positions Filled (No.)			Total (Filled)
	Professor	Assoc. Prof.	Asstt. Prof.	Professor	Assoc. Prof.	Asstt. Prof.	
Dean	1	-	-	1	-	-	1
Department of Aquaculture	2	4	6	-	1	6	7
Deptt of Aquatic Environment & Animal Health Management	3	5	7	-	-	7	7
Deptt of Fish Genetics & Biotechnology	2	4	6	-	1	3	4
Deptt of Fish Nutrition, Physiology & Biochemistry	2	4	6	-	-	5	5
Deptt of Fisheries Resource Management and Harvest & Post Harvest Technology	4	6	11	-	-	7	7
Deptt of Fisheries Economics, Extension and Statistics	2	4	6	-	-	4	4
Total	15	27	42	-	2	32	34

6.4.3: Technical and Supporting Staff: *The position of the technical and supporting staff of the Degree Programme, including farm and field workers need to be mentioned for both sanctioned and in place.*

The college has technical and supporting staff for catering the needs of office work and practical classes. Presently, 04 permanent and 41 outsourced technical and supporting staff are working against 185 regular staff sanctioned. The detail bifurcation of present positions of technical and supporting staff in the college is given below:

Table3: Present Position of Technical and Supporting Staff

S. No.	Designation	Sanctioned Post(s)	Filed	Total
1.	Asstt. Engineer	1	-	-
2.	Student Welfare Officer	1	-	-
3.	Asstt Librarian	1	-	-
4.	Medical Officer	1	-	-
5.	Assistant Comptroller	1	-	-
6.	PS to Dean	1	-	-
7.	Junior Engineer	1	-	-
8.	Accountant	2	-	-
9.	Multitask Office Asstt.	24	3#	3
10.	Library Asstt.	1	1*	1
11.	Farm Manager	1	-	-
12.	Hatchery Manager	2	-	-
13.	IT Technician-cum-Web Manager	2	1#	1
14.	Lab Equ. Maintenance Technician	1	-	-
15.	Wet Lab Supervisor	2	1#	1
16.	Cashier	1	-	-
17.	Livestock/Farm/Lab Asstt	24	-	-
18.	Audio Visual Tech. cum Photographer	1	1*	1
19	PTI-cum-Hostel Care Taker	4	-	-
20	Plumber	2	-	-
21	Medical lab Attendant	3	-	-
22	Carpenter	2	-	-
23	Clerk cum Storekeeper	3	1*	1
24	Electrician	3	2#	2
25	Compounder	1	-	-
26	Driver	6	2#	2
27	Lab Attendant	12	5#	5
28	Pump operator	3	-	-
29	Library Attendant	2	1*	1
30	Security Guard	16	9#	9
31	Multi Task Staff	50	25#	25
32	Fisherman	10	3#	3
Grand Total		185	55	55
*Permanent, # Outsourced				

6.4.4: Classrooms and Laboratories: *Mention the number of classrooms and functional laboratories available for the degree programme and justify if it is sufficient to meet the course curricula requirement. Lists major equipment, laboratories, farm facilities, workshops and other instructional units being utilized for the award of the Degree Programme may be given. Mention theory and practical batches for the Degree Programme.*

The college has six smart classrooms with interactive boards and internet connections for UG. The teachers are taking classes through smart board. The students are given assignments and present it through power point presentations to make learning process more effective and interactive.



Fig. 1: Undergraduate Classroom College of Fisheries, Kishanganj

The college is having well-equipped laboratories and infrastructure in all respect. The department wise laboratories are listed below:

Table4: List of Laboratories Established in the College

S. No.	Laboratory(S)	Number of Lab.
1	Aquaculture	2
2	Aquatic Environment & Health Management	3
3	Fish Genetics and Biotechnology	2
4	Fish Nutrition, Physiology & Biochemistry	2
5	Fisheries Resource Management and Harvest & Post harvest Technology	4
6	Fisheries Economics, Extension and Statistics	2
7	Common laboratories	
	Microbiology	1
	Engineering	1

6.4.5: Conduct of Practical and Hands on Training: *It is important to have a sound grasp of the theory that underlies any professional degree. But there are some skills that can only be learned through hands-on - practice. It is important that much of the learning material in any given course should be provided in a way that allows students to get as involved as possible to increase their knowledge and abilities. Clearly mention how far students are getting desired practical and hands-on-training as per the curriculum and meeting above mentioned requirements.*

Practical and Hands on Training are conducted as per ICAR V Dean's committee recommendations. Practical classes are organized in the various laboratories specific to the course content. Extensive training of students is conducted on practical learning by handling various equipment and machineries in the laboratories. The students are taught through live demonstrations on farms, fish landing centers and fish packaging and processing plants. Students also participate in Industrial and field exposure through regular and need based visits, exhibitions and workshops on enhancement of knowledge in food safety regulations and product development. Special lectures of the renowned academicians & industrialists are arranged for the students and faculty in the related course for refining the knowledge and skills.



Fig. 2: Students with Course Teacher(s) in Practical Class (s)

Student READY/ In-Plant Training/ Internship/ Experiential Learning Programmes:

The student READY programme is being implemented as per the guidelines of ICAR V Dean's committee recommendations. The motto behind this programme is to reorient IV-year students of this college for ensuring and assuring employability and to develop entrepreneurs for emerging knowledge intensive aquaculture by articulating knowledge, skill, ability and experiences.

The Student READY Programme has Five Components:

VII Semester

- Student READY-In-plant attachment
- Student READY- Rural Fisheries Work Experience Programme
- Student READY- Study Tour

VIII Semester

- Student READY Experiential Learning Modules
- Skill Development: This Hands-on Training (HoT) programme
- Experiential Learning Programme
- Students Projects

The Semester-wise Student Ready programme Components, objectives credit load and duration are presented below:

S. No.	Student Ready Component	Objective	Credit Load hours	Duration in weeks
A	VII Semester			
A.1	Student READY-In-plant attachment	In-Plant training is meant to correlate theory and actual practices in the industries with the following objectives: • To expose the students to Industrial environment. • To familiarize the students with various Materials, Machines, Processes, Products and their applications along with relevant aspects of shop management • To make the students understand the psychology of the workers, and approach to problems along with the practices followed at factory • To make the students understand the scope, functions and job responsibilities in various departments of an organization • Exposure to various aspects of entrepreneurship during the program period	(0+10)	8 weeks
A.2	Student READY-Rural Fisheries Work Experience Programme	Under this programme final years students at this college are deputed at village situation. It provides exposure to students to the natural setting of the village situations, Objectives of the programme: • To provide an opportunity for students to understand the rural setting in relation to agriculture and allied activities • To make the students familiar with socio-economic conditions of the farmers and their problems • To impart diagnostic and remedial knowledge to the students relevant to real field situations through practical training • To develop communication skills in students using extension teaching methods in	(0+8)	8 weeks

		transfer of technology • To develop confidence and competence to solve agricultural problems • To acquaint students with on-going extension and rural development programmes		
A.3	Student READY-Study Tour (in and outside State)	Exposure of students to various states and their fisheries activities. Visit of National Fisheries Institutes and acquaintance with various fish farm., fish markets, Industries, landing centers to witness their ongoing fisheries activities followed by presentation of a tour report	(0+2)	4 weeks
B	VIII Semester			
	Student READY Experiential Learning Modules	This will include capacity building and skill development of the students in planning, development, formulation, monitoring and evaluation of project for entrepreneurial proficiency	(0+20)	20 weeks
B.1	Skill Development: This Hands-on Training (HoT) programme including any of the following components: • Aquarium fabrication • Analysis of soil and water quality parameters • Post-Harvest Technology • Preparation of Value-added Fish Products • Fish seed production • Ornamental fish culture or in any appropriate applied aspect of fisheries.	The HoT skill development modules are designed to help the student to develop high quality professional competence, management capabilities, capacity building, acquiring skills, expertise, and confidence to start their own enterprise and turn job creators instead of job seekers. This is a step forward for “Earn while Learn” concept for fisheries Graduates.	(0+5)	01 weeks
B.2	Experience Learning Programme: The Programme will have a minimum of two out of the	The EL modules are designed to provide the students with an excellent opportunity to develop analytical and entrepreneurial skills, and knowledge through meaningful hands-on experience	(0+12)	

	following areas: • Ornamental fish culture • Breeding and Seed Rearing of cultivable Fishes • Fish Product and Value addition in Low-cost Fish	(HoT) to build confidence in their ability to design and execute project work.		
B.3	Project work: Student will select relevant or interested area of specialization such as: • Fish pathology • Fish diagnosis • Fish pharmacology • Fish Toxicology • Fish nutrition • Fish immunology • Fish genetics • Fish breeding • Ornamental fish production • Genomics in Aquaculture • Fish stock assessment • Aquatic pollution • Fish value addition • Fish in nutrition • Fish processing • Waste management • Quality control and quality assurance • Fish products and by-products etc.	The programme has following objectives: • To impart analytical skills and capability to work independently • To conceptualize, design and implement the proposed work plan • Learn to work as a team-sharing work amongst a group, and learn leadership • Learn to solve a problem through all its stages by understanding and applying project management skills • Learn to do various implementations, fabrication, testing and trouble shooting • Learn communication report writing skills The student will prepare a research project plan, and it will be presented in-front of a committee appointed by the Dean	(0+2)	1 week
B.4	Seminar: Preparation of the project and its presentation as a seminar.		(0+1)	

6.4.6: Supervision of Students in UG Programmes: *Number of students being supervised by Faculty in case of Masters/Ph. D Programme (as per ICAR/UGC guidelines). Mention the realistic figure number of qualified faculty in relation to the intake of students, as per the guidelines in the matter.*

Faculty of the college supervises all the undergraduate classes. For this purpose,

class advisors are allotted for each UG Class. The advisors are taking care of the students' studies and academic work. They also guide them for their route in problems.

6.4.7: Feedback of Stake Holders (Students, Parents, Industries, Employers, Farmers, etc.): *Mention the feedback mechanism (duly supported by the documents) from different stakeholders of the degree programme. What action the University has taken in last five years to address the issues raised in the feedback?*

- The student's feedback is collected in a set Performa for teacher / course.
- By personal discussions with the Alumni on their visit to the college.
- Through WhatsApp
- Visitor's books and records of visitors including parents, farmers, industry persons etc.

Teacher Evaluation Form

(To be filled by the students)

Course Title: Course No.

Semester & Year:

Name of the Teacher:.....

A TEACHING LEARNING PROCESS	Response
a) The teacher provides guidance/counselling in academic and nonacademic matters. 1. Strongly Disagree 2. Disagree 3. Satisfactory 4. Agree 5. Strongly Agree	
b) The teacher encourages participation and discussion in class. 1. Strongly Disagree 2. Disagree 3. Satisfactory 4. Agree 5. Strongly	
c) The teacher uses modern teaching aids/gadgets, handouts, suggestion of references, ppt, web resources, etc. 1. Strongly Disagree 2. Disagree 3. Satisfactory 4. Agree 5. Strongly Agree	
d) The teacher pays attention to academically weaker students as well 1. Strongly Disagree 2. Disagree 3. Satisfactory 4. Agree 5. Strongly Agree	
e) The teacher is regular and punctual in class 1. Strongly Disagree 2. Disagree 3. Satisfactory 4. Agree 5. Strongly Agree	
f) The teacher invites opinion and questions on subject matter from students 1. Strongly Disagree 2. Disagree 3. Satisfactory 4. Agree	

5. Strongly Agree	
g) The teacher inspires students for ethical conduct 1. Strongly Disagree 2. Disagree 3. Satisfactory 4. Agree 5. Strongly Agree	
II COURSE CONTENT a) The teacher links the subject to real life experiences and creates interest in the subject 1. Strongly Disagree 2. Disagree 3. Satisfactory 4. Agree 5. Strongly Agree	
b) The teacher covers the entire syllabus in time 1. Strongly Disagree 2. Disagree 3. Satisfactory 4. Agree 5. Strongly Agree	
c) The teacher explains the topics efficiently 1. Strongly Disagree 2. Disagree 3. Satisfactory 4. Agree 5. Strongly Agree	
III EVALUATION PROCESS a) Periodical assessments are conducted as per schedule 1. Strongly Disagree 2. Disagree 3. Satisfactory 4. Agree 5. Strongly Agree	
b) The teacher uses nontraditional methods of evaluation like quiz, seminars, assignments, classroom presentations/participation (or any other method) 1. Strongly Disagree 2. Disagree 3. Satisfactory 4. Agree 5. Strongly Agree	
c) For better academic performance, do you think you need? 1. More lectures by experts 2. To write more assignments 3. Access the internet more 4. More books in the library 5. Extra/Remedial Classes	

Comments:

1. Does the teacher have any notable strengths and weaknesses not covered in previous questions?:.....
2. Should the teacher continue teaching this course?: Y/N.....
3. In totality how you grade the teacher: Outstanding / Very Good / Good / Average.....

6.4.8: Student Intake and Attrition in the Programme for Last Four Years:

Year wise information on sanctioned strength, actual intake and attrition in the last five years of the Degree Programme, in the tabular form, shall be provided.

The faculty and other staff provide the best opportunity by integrating in-class and co-curricular experiences. To accomplish this, the college provides a wide range of educational experience through practical work, field visits, industrial visits and other activities that complement and support the academic experience. The college currently has one Under Graduate programme in Fisheries Science (i.e. B.F.Sc). The student intake in degree programme is given in table). The average number of admissions in under graduate programme since 2018-19 is 36.57 whereas, the attrition due to change of stream or Dropouts is only 24.59 %. The information regarding student intake & attrition during last seven year is given below:

Table 5: Student Intake and Attrition

Academic Session	Students Admitted (No.)		Attrition (%)
	Intake capacity	Admitted	
2018-19	40	35	22.85
2019-20	40	31	14.81
2020-21	40	37	16.21
2021-22	40	35	17.14
2022-23	40	34	50
2023-24	50	46	17.4
2024-25	50	38	00

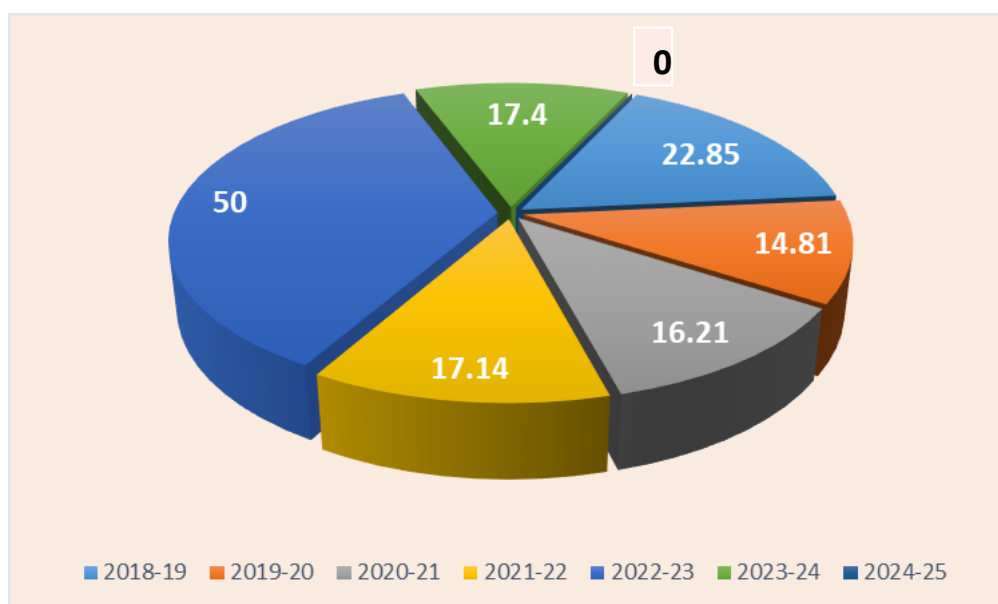


Fig. 3: Student Intake and Attrition

6.4.9: ICT Application in Curricula Delivery: *The ICT is now integral part of the teaching programme. ICAR has also been promoting the use of ICT in teaching and practical. Mention whether the Degree Programme is meeting the expectations. If there is any shortfall, it shall be clearly mentioned.*

The College has smart classrooms with interactive boards and internet facilities. The teachers make use of Smart Board and students are given assignments regularly. Students are trained to present their work through power point

presentation, which makes the session interesting and interactive. During Covid-19, pandemic students were regularly taught through online class held either on Zoom or Google meet. The Course curriculum and study material was regularly provided in soft copy to each student through google classroom or WhatsApp and more than 300 video lectures were uploaded on university (BASU) YouTube channel.

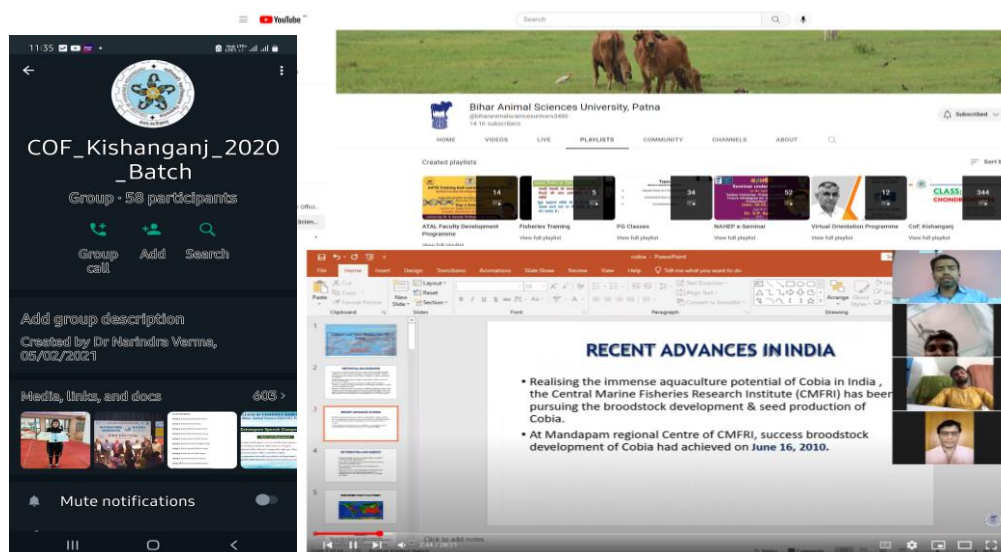


Fig. 4: Showing Use of ICT (WhatsApp group, online class on Zoom)

To be in touch with each student different WhatsApp group were formed by college as well as University administration. Weekly reports of online classes were submitted to the university administration, which were monitored by Hon'ble Vice-chancellor. Similarly, the Mid Term Examination and Semester examination during the academic 2018-19, 2019-20 and first semester 2020-21 were held through online mode. A view of online classroom is shown in Figure above.

6.4.10: The institute offers undergraduate programme in fisheries (B.F.Sc). Information pertaining to 6.4.1 to 6.4.9 has already been presented.

6.4.11: Since the accreditation of Programme is related to the All-India Admission from ICAR and having weightage for college accreditation, therefore the data presented in the section 6.4 is liable to the verification at any stage.

6.4.12: Certificate

I, Dr. V.P. Saini, the Dean hereby certify that the information contained in the Section 6.4.1 to 6.4.9 are furnished as per the records available in the college and degree awarding university.

Dr. V.P. Saini
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Dr. V P Saini
Dean
College of Fisheries, Kishanganj
(Bihar Animal Sciences University, Patna)

Self-Study Report for PG (M.F.Sc.) Programme

6.4. Self-Study Report for the Programme: Master's Programme

6.4.1. Self-Study Report for the Programme: M.F. Sc (Aquaculture)

6.4.1.1. Brief History of the M.F. Sc (Aquaculture) Programme:

The College of Fisheries, Kishanganj launched its M.F. Sc (Aquaculture) degree program in 2022 with the aim of promoting academic excellence, advanced research, and skilled work force development in aquaculture. The program was designed to address the growing need for trained professionals in aquaculture, particularly in Bihar and the eastern region of India. The program is contributing meaningfully to the aquaculture sector by fostering innovation, research capabilities, and entrepreneurial skills among young professionals.

6.4.1.2. Faculty Strength:

The faculty position sanction and filled in Aquaculture Department is mentioned below.

Table: Table showing department wise faculty positions

Faculty Positions Sanctioned			Faculty Positions Filled (No.)			Total (Filled)
Prof.	Assoc. Prof.	Asstt. Prof.	Prof.	Assoc. Prof.	Asstt. Prof.	
2	4	6	2*	1	6	7+2*

* Adjunct Professor

6.4.1.3. Technical and Supporting Staff:

The updated department wise technical and supporting Staff position is reflected in the table mentioned below.

Table: Table showing technical and supporting staff positions in college /different departments

S. No.	Designation	Sanctioned	Filled	Total
1.	Farm Manager	1	-	-
2.	Hatchery Manager	2	-	-
3.	Wet Lab Supervisor	2	1#	1
4.	Livestock/Farm/Lab Asstt	24	-	-
5.	Lab Attendant	1	1#	1
6.	Security Guard	3	3#	3
7.	Multitask Staff	5	1#	1
8.	Fisherman	10	3#	3
Grand Total		48	9	9
*Permanent, Outsourced				

6.4.1.4. Classrooms and Laboratories:

The department has one Multimedia based lecture room. The lecture room is ergonomically designed and is well ventilated and airy to facilitate teaching-learning process. The department has proper seating facilities for PG students with multimedia and computer facilities in their department. The detailed description of post graduate lab along with specific equipment is listed below.

Table: The details of postgraduate (Aquaculture) labs

S.No.	Name of the department	PG Programme offered	No. of labs	Seating capacity
1	Department of Aquaculture	M.F. Sc (Aquaculture)	2	30

Table: Details of equipment available in aquaculture lab.

No. of labs	Equipment's	Any other research unit
	Binocular Microscope-13, Desiccators -2, pH Meter-2, Weighing balance-2, Refrigerator -1, Deep Freezer (Cellfrost)-1, Borosil Glassware Dryer-1, Refractometer/Salinometer 2, BOD Incubator-1, Double Distillation Unit-1, Handheld Dissolved Oxygen Meter-1, Microscope (CILIKA)-1, Magnetic Stirrer with Hotplate-2, Hot Air Oven-1, Spectrophotometer-1, Vortex Mixture- 2, Water Quality Meter (Photometer)-1, Water Quality Multimetre-1, Non-refrigerated Centrifuge-1, Dry Block Heater-1, Mixer Grinder-1, Microwave Oven-1, Surveying & Levelling Equipment-117, Water Bath-1, Micropipette-6, Air Blower-1, HBG Neubauer Chamber-10, Digital Burette-1	Wet Lab, Catfish, prawn & Carp Hatchery. Ornamental fish breeding & culture unit, RAS, Biofloc unit

6.4.1.5. Conduct of Practicals and Hands-on -Training:

In practical classes, students are given hands-on training and full exposure on each topic. The practical class is of two hours where students are given practical exposure by performing different test/ practical's to develop learning experiences with latest tools and techniques available in aquaculture department. The teachers instruct, interact, demonstrate each topic, and give sufficient time for each student to perform/repeat the exercise.

**Fig: Postgraduate students engaged in practical exercises****6.4.16. Supervision of students in PG Programs:**

Students after getting enrolled in M.F.Sc. (Aquaculture) are allotted major advisors who act as a chairman of the advisory committee. The advisory committee of the student is constituted as per the statutory provision comprising of one of the departmental faculty, one faculty member from minor subject, one from supportive subject and one nominee of Dean Post Graduate Studies. The student in consultation with major advisor and advisory committee finalizes the area of his/her research work. Finally, the synopsis is approved by Dean Post Graduate studies. The allotment of major advisors to the students is according to the roster being followed to maintain the uniformity. The academic progress of students is reviewed in regular advisory committee meetings, and its recommendations are sent to the Dean, Post Graduate Studies

6.4.1.7. Feedback of Stakeholders:

At the end of each academic year, students enrolled in the M.F. Sc (Aquaculture) are invited to provide feedback on their academic experience. This feedback is collected through personal interactions conducted by the Head of Department. The inputs received are carefully analyzed and used to identify areas for improvement. This practice has significantly contributed to enhancing the overall teaching-learning environment within the college.

6.4.18. Student intake and attrition in the programme for last five years:

The initial admission capacity of Aquaculture Department offering postgraduate degree varies on yearly basis. The year's wise information of the student intake and attrition in the Programme for last five years is presented below:

Table : Student intake and attrition in M.F.Sc (Aquaculture) for last five years:

S. No	Academic Year	Intake capacity	Student Admitted	Student on temporary drop	Admission withdrawn	Student Roll dropped
1	2022	02	02	0	01	0
2	2023	02	02	0	0	0
3	2024	05	04	0	0	0

6.4.1.9. ICT Application in Curricula Delivery:

To enhance the overall teaching-learning process and optimize content delivery, the College of Fisheries, Kishanganj actively promotes the use of Information and Communication Technology (ICT). All classrooms are equipped with modern tools such as projectors and electronic podiums to facilitate effective and engaging lecture delivery. Administrative and academic processes—including student enrolment, e-course offerings, semester registration, online fee payment, examinations, and result publication—are managed efficiently through the Chanakya NIC Management System.

To support teaching, research, and extension activities, the college campus offers free internet access via Wi-Fi and LAN. A dedicated Network Centre/Data Centre has been established to oversee all computerized operations within the institution. Additionally, a 300 Mbps leased line provided by BSNL ensures high-speed internet connectivity across all college buildings and hostels.

Library services have been modernized through the implementation of KOHA, an open-source Library Management System. This platform supports modules such as Acquisition, Cataloguing, Circulation, Serial Control, OPAC, and more enabling the computerization of all library functions. Digital versions of student dissertations are archived in the Krishi Kosh Institutional Repository of NARS, and faculty and students benefit from access to CeRA (Consortium for e-Resources in Agriculture) for academic and research purposes.

6.4.1.10.

College-wise. Certificate (Applicable when SSR is submitted for Programme).

I, the Dean Dr. V P Saini hereby certify that the information contained in the Section 6.4.1 to 6.4.9 are furnished as per records available in the college, and degree awarding University



Dr. V.P. Saini
Dean
College of Fisheries
(Bihar Animal Sciences University)
Arrabari, Kishanganj-855107

Signature of the Dean of the College with Date and Seal

Self-Study Report for PG (M.F.Sc.) Programme

6.4.2 Self-Study Report for the Programme: M.F. Sc (Aquatic Animal Health Management)

6.4.2.1. Brief History of M.F. Sc (Aquatic Animal Health Management)

The master's degree Programme in M.F. Sc (Aquatic Animal Health Management) in College of Fisheries, Kishanganj was launched in 2022 with the aim of promoting academic excellence, advanced research, and skilled work force development in aquatic animal health management. The program was designed to address the growing need for trained professionals in aquatic animal health management, particularly in Bihar and the eastern region of India. The program is contributing meaningfully to the fisheries sector by fostering innovation, research capabilities, and entrepreneurial skills among young professionals.

6.4.2.2. Faculty Strength:

The department of Aquatic Animal Health Management has following faculty position (sanction and filled):

Table : Table showing department wise faculty positions

Faculty Positions Sanctioned			Faculty Positions Filled (No.)			
Prof.	Assoc. Prof.	Asstt. Prof.	Regular Faculty			Total (Filled)
			Prof.	Assoc. Prof.	Asstt. Prof.	
1	2	4	*1	-	4	4+1*

* Adjunct Professor

6.4.2 3. Technical and Supporting Staff:

The technical and supporting Staff position of Aquatic Animal Health Management Department is reflected in the table mentioned below.

Table : Table showing technical and supporting staff positions in Aquatic Animal Health Department

S. No.	Designation	Sanctioned	Filled	Total
1.	Multitask Office Asstt.	2	0	0
2.	Lab Attendant	1	1	1
3.	Multitask Staff	5	1	1
Grand Total		8	2	2

6.4.2.4. Classrooms and Laboratories:

The Department of Aquatic Animal Health Management has one Multimedia based lecture rooms. The lecture room is ergonomically designed and is well ventilated and airy to facilitate teaching-learning process. Besides this, the department has the facility in place to conduct PG classes. The department have proper seating facilities for PG students with multimedia and computer facilities in their department. The detailed description of post graduate labs along with specific equipment are listed below:

Table : Department wise details of post graduate labs:

S.No.	PG Programme offered	No. of labs	Seating capacity
1	M.F. Sc (AAHM)	1	30

Table: Details of post graduate laboratories and equipment

S. No	No. of labs	Equipment's	Any other research unit
1		Bio Safety Cabinet-2, Incubator -1, Digital Colony Counter-2, LAB lab Multi sample mixer-1, Lab ware Dryer-1, Microwave Oven-1, Portable Digital Microscope-1, Refractometer (Hand hold)-1, Horizontal Electrophoresis system-1, Vortex Mixer (Miulab Brushless DC Motor Vortex Mixers)-2, Water Bath-1, Binocular Compound Microscope-4, Refrigerator -1, Centrifuge Machine-1, Refrigerated Centrifuge with LCD display-1, Magnetic stirrers-1, SDS Page Vertical Electrosopes Unit-1, Vertical Deep Freezer-1, Tissue Homogenizer-2, Dry Bath-1, Hot Plate-1, Microtome-1, Autoclave-1, Electric Weighing Balance-2, CO2 Incubator-1, Cooling Incubator-1, Ultra Centrifuge Machine-1, Automated Tissue Processor-1, Tissue Float Bath-1, Hot Air Oven-1, Quartz Bi-Distillation unit-1, Spectrophotometer-1, ELISA Reader-1, Probe Sonicator-1, Compound Microscope with camera-1, Micro centrifuge-01	Controlled environment animal rearing unit

6.4.2.5. Conduct of Practical and Hands-on -Training:

In practical classes, students are given hands-on training and full exposure on each topic. The practical class is of two hours where students are given practical exposure by performing different test/ practicals to develop learning experiences with latest tools and techniques available in AAHM department. The teachers instruct, interact, demonstrate each topic, and give sufficient time for each student to perform/ repeat the exercise.



Postgraduate students engaged in practical exercises

6.4.2.6. Supervision of students in PG Programs:

Students after getting enrolled in M.F.Sc.(AAHM) programs are allotted major advisors who act as a chairman of the advisory committee. The advisory

committee of the student is constituted as per the statutory provision comprising of one of the departmental faculty, one faculty member from minor subject, one from supportive subject and one nominee of Dean Post Graduate Studies. The student in consultation with major advisor and advisory committee finalizes the area of his/her research work. Finally, the synopsis is approved by Dean Post Graduate studies. The allotment of major advisors to the students is according to the roster being followed to maintain the uniformity. The academic progress of students is reviewed in regular advisory committee meetings, and its recommendations are sent to the Dean, Post Graduate Studies

6.4.2.7. Feedback of Stakeholders:

At the end of each academic year, students enrolled in the M.F.Sc (AAHM) program are invited to provide feedback on their academic experience. This feedback is collected through personal interactions conducted by the respective Heads of Departments. The inputs received are carefully analyzed and used to identify areas for improvement. This practice has significantly contributed to enhancing the overall teaching-learning environment within the college.

6.4.2.8. Student intake and attrition in the Programme for last five years:

The year's wise information of the student intake and attrition in the programme for last three years is presented below:

Table: Student intake and attrition in M. F .Sc (AAHM) for last five years:

S. No	Batch	Intake capacity	Student Admitted	Student on temporary drop	Admission withdrawn	Student Roll dropped
1	2022	02	02	01	01	0
2	2023	02	02	0	0	0
3	2024	03	01	0	0	0

6.4.2. 9. ICT Application in Curricula Delivery:

To enhance the overall teaching-learning process and optimize content delivery, the College of Fisheries, Kishanganj actively promotes the use of Information and Communication Technology (ICT). All classrooms are equipped with modern tools such as projectors and electronic podiums to facilitate effective and engaging lecture delivery. Administrative and academic processes—including student enrolment, e-course offerings, semester registration, online fee payment, examinations, and result publication—are managed efficiently through the Chanakya NIC Management System.

To support teaching, research, and extension activities, the college campus offers free internet access via Wi-Fi and LAN. A dedicated Network Centre/Data Centre has been established to oversee all computerized operations within the institution. Additionally, a 300 Mbps leased line provided by BSNL ensures high-speed internet connectivity across all college buildings and hostels.

Library services have been modernized through the implementation of KOHA, an open-source Library Management System. This platform supports modules such as Acquisition, Cataloguing, Circulation, Serial Control, OPAC, and more enabling the computerization of all library functions. Digital versions of student dissertations are archived in the Krishi Kosh Institutional Repository of NARS, and faculty and students benefit from access to CeRA (Consortium for e-Resources in Agriculture) for academic and research purposes.

6.4.2.10.

College-wise. Certificate (Applicable when SSR is submitted for Programme).

I, the Dean Dr. V P Saini hereby certify that the information contained in the Section 6.4.1 to 6.4.9 are furnished as per records available in the college, and degree awarding University


Dr. V.P. Saini
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Ariabari, Kishanganj-855107

Self-Study Report for PG (M.F.Sc.) Programme

6.4.3 Self-Study Report for the Programme: M.F.Sc (Aquatic Environment Management)

6.4.3.1. Brief History of M.F. Sc (Aquatic Environment Management)

The master's degree Programme in M.F.Sc (Aquatic Environment Management) in College of Fisheries, Kishanganj was launched in 2024 with the aim of promoting academic excellence, advanced research, and skilled work force development in Aquatic Environment Management. The program was designed to address the growing need for trained professionals in Aquatic Environment Management, particularly in Bihar and the eastern region of India. The program is contributing meaningfully to the fisheries sector by fostering innovation, research capabilities, and entrepreneurial skills among young professionals.

6.4. 2.2. Faculty Strength:

The Department of Aquatic Environment Management has following faculty position (sanction and filled):

Table : Table showing department wise faculty positions

Faculty Positions Sanctioned			Faculty Positions Filled (No.)			Total (Filled)
			Regular Faculty			
Prof.	Assoc. Prof.	Asstt. Prof.	Prof.	Assoc. Prof.	Asstt. Prof.	
2	3	3	1*	-	3	3+1*

* Adjunct Professor

6.4.2 3. Technical and Supporting Staff:

The technical and supporting Staff position of Aquatic Environment Management Department is reflected in the table mentioned below.

Table : Table showing technical and supporting staff positions in Aquatic Environment Management

S. No.	Designation	Sanctioned	Filled	Total
1.	Multitask Office Asstt.	2	0	0
2.	Lab Attendant	1	1#	1
3.	Multitask Staff	1	1#	1
Grand Total		4	2#	2
*Permanent, #Outsourced				

6.4.2.4. Classrooms and Laboratories:

The Department of Aquatic Environment Management has one Multimedia based lecture rooms. The lecture room is ergonomically designed and is well ventilated and airy to facilitate teaching-learning process. Besides this, the department has the facility in place to conduct PG classes. The department has proper seating facilities for PG students with multimedia and computer facilities in their department. The detailed description of post graduate labs along with specific equipment are listed below:

Table : Department wise details of post graduate labs:

S .No.	PG Programme offered	No. of labs	Seating capacity
1	M.F. Sc (AEM)	2	60

Table: Details of post graduate laboratories and equipment

S. No	No. of labs Equipment's
1	High Performance Liquid Chromatography (HPLC)-1, Atomic absorption spectroscopy (AAS)-1, Spectrophotometer-1, Flame Photometer-1, Hot air oven-1, Refrigerated centrifuge-1, Multi-parameter water analyser-1, Muffle Furnace-1, BOD Incubator-1, Microprocessor controlled Magnetic Stirrers-1, pH meter-1, Water Bath-1, Distillation unit-1, Microscope-2, Deep Freezer (-20 °C)-1, Normal freezer-1

6.4.2.5. Conduct of Practical and Hands-on -Training:

In practical classes, students are given hands-on training and full exposure on each topic. The practical class is of two hours where students are given practical exposure by performing different test/ practical to develop learning experiences with latest tools and techniques available in AEM department. The teachers instruct, interact, demonstrate each topic, and give sufficient time for each student to perform/repeat the exercise.



Postgraduate students engaged in practical exercises

6.4.2.6. Supervision of students in PG Programs:

Students after getting enrolled in M.F.Sc.(AEM) programs are allotted major advisors who act as a chairman of the advisory committee. The advisory committee of the student is constituted as per the statutory provision comprising of one of the departmental faculty, one faculty member from minor subject, one from supportive subject and one nominee of Dean Post Graduate Studies. The student in consultation with major advisor and advisory committee finalizes the area of his/her research work. Finally, the synopsis is approved by Dean Post Graduate studies. The allotment of major advisors to the students is according to the roster being followed to maintain the uniformity. The academic progress of students is reviewed in regular advisory committee meetings, and its recommendations are sent to the Dean, Post Graduate Studies

6.4.2.7. Feedback of Stakeholders:

At the end of each academic year, students enrolled in the M.F.Sc (AEM) program are invited to provide feedback on their academic experience. This feedback is collected through personal interactions conducted by the respective Heads of Departments. The inputs received are carefully analyzed and used to identify areas for improvement. This practice has significantly contributed to enhancing the overall teaching-learning environment within the college.

6.4.2.8. Student intake and attrition in the Programme for last five years:

The year's wise information of the student intake and attrition in the programme for last three years is presented below:

Table: Student intake and attrition in M.F.Sc (AEM) for last five years:

S. No	Batch	Intake capacity	Student Admitted	Student on temporary drop	Admission withdrawn	Student Roll dropped
1	2022	-	-	-	-	-
2	2023	-	-	-	-	-
3	2024	02	01	0	0	-

6.4.2. 9. ICT Application in Curricula Delivery:

To enhance the overall teaching-learning process and optimize content delivery, the Department of Aquatic Environment Management actively promotes the use of Information and Communication Technology (ICT). All classrooms are equipped with modern tools such as projectors and electronic podiums to facilitate effective and engaging lecture delivery. Administrative and academic processes—including student enrolment, e-course offerings, semester registration, online fee payment, examinations, and result publication—are managed efficiently through the Chanakya NIC Management System.

To support teaching, research, and extension activities, the college campus offers free internet access via Wi-Fi and LAN. A dedicated Network Centre/Data Centre has been established to oversee all computerized operations within the institution. Additionally, a 300 Mbps leased line provided by BSNL ensures high-speed internet connectivity across all college buildings and hostels.

Library services have been modernized through the implementation of KOHA, an open-source Library Management System. This platform supports modules such as Acquisition, Cataloguing, Circulation, Serial Control, OPAC, and more enabling the computerization of all library functions. Digital versions of student dissertations are archived in the Krishi Kosh Institutional Repository of NARS, and faculty and students benefit from access to CeRA (Consortium for e-Resources in Agriculture) for academic and research purposes.

6.4.2.10.

College-wise Certificate (Applicable when SSR is submitted for Programme).

I, the Dean Dr. V P Saini hereby certify that the information contained in the Section 6.4.1 to 6.4.9 are furnished as per records available in the college, and degree awarding University


Dr. V.P. Saini
Dean
College of Fisheries
(Bihar Animal Sciences University)
Arrabari, Kishanganj-855107

Signature of the Dean of the College with Date and Seal

Self-Study Report for PG (M.F.Sc.) Programme

6.4.4. Self-Study Report for the Programme: M.F. Sc (Fish Genetics & Breeding)

6.4.4.1. Brief History of the Degree Programme (M F Sc Fish Genetics & Breeding): The College of Fisheries, Kishanganj launched its Postgraduate (M.F. Sc) degree program in 2024 with the aim of promoting academic excellence, advanced research, and skilled work force development in fish genetics and breeding. The program was designed to address the growing need for trained professionals in fisheries genetics and breeding, particularly in Bihar and the eastern region of India. The program is contributing meaningfully to the fisheries sector by fostering innovation, research capabilities, and entrepreneurial skills among young professionals.

6.4.4.2. Faculty Strength: The faculty position sanctioned and filled in Fish Genetics and Breeding is mentioned below.

Table: Department wise faculty positions

Faculty Positions Sanctioned			Faculty Positions Filled (No.)			
Prof.	Assoc. Prof.	Asstt. Prof.	Regular Faculty			Total (Filled)
			Prof.	Assoc. Prof.	Asstt. Prof.	
1	2	3	-	1	1	2

6.4.4.3. Technical and Supporting Staff: The technical and supporting Staff position is reflected in the table mentioned below.

Table: Technical and supporting staff positions in FGB department

S. No.	Designation	Sanctioned	Filled	Total
1.	Multitask Office Assistant	1	1#	1
2.	Lab Attendant	1	1#	1
3.	Multitask Staff	2	1#	1
Grand Total		4	3#	03
*Permanent, #Outsourced				

6.4.4.4. Classrooms and Laboratories: The department of Fish Genetics and Breeding has one Multimedia based lecture room. The lecture room is ergonomically designed and is well ventilated and airy to facilitate teaching-learning process. The department has proper seating facilities for PG students with multimedia and computer facilities in their department. The detailed description of post graduate labs along with specific equipment are listed in Table 3 and 3.1.

Table: Department wise details of post graduate labs:

S .No.	PG Programme offered	No. of labs	Seating capacity
1	M.F. Sc (Fish Genetics & Breeding)	1	30

Table: Details of post graduate laboratories and equipment

S. No	No. of labs Equipment's	Any other research unit
1	Analytical Balance-1, Digital Microscope-1, Magnetic stirrer-1, pH meter-1, Deep Freezer (-20 °C)-2, Freezer (4 °C)-1, Tissue Homogenizer-1, Vortex Mixer-2, Micropipette set-1, Microwave oven-1, UVC Disinfection System-1, Hot Air Oven-2, Non-Refrigerated Centrifuge-1, Water Bath-1	Controlled environment animal rearing unit

6.4.4. 5. Conduct of Practical and Hands-on -Training: In practical classes, students are given hands-on training and full exposure on each topic. The practical class is of two hours where students are given practical exposure by performing different test/ practicals to develop learning experiences with latest tools and techniques available in the concerned department. The teachers instruct, interact, demonstrate each topic, and give sufficient time for each student to perform/repeat the exercise.

Fig: Postgraduate students of FGB engaged in practical exercises

6.4.4.6. Supervision of students in PG Programs: Students after getting enrolled in M.F.Sc. programs are allotted major advisors who act as a chairman of the advisory committee. The advisory committee of the student is constituted as per the statutory provision comprising of one of the departmental faculty, one faculty member from minor subject, one from supportive subject and one nominee of Dean Post Graduate Studies. The student in consultation with major advisor and advisory committee finalizes the area of his/her research work. Finally, the synopsis is approved by Dean Post Graduate studies. The allotment of major advisors to the students is according to the roaster being followed to maintain the uniformity. The academic progress of students is reviewed in regular advisory committee meetings, and its recommendations are sent to the Dean, Post Graduate Studies

6.4.4.7. Feedback of Stakeholders: At the end of each academic year, students enrolled in the M.F. Sc program are invited to provide feedback on their academic experience. This feedback is collected through personal interactions conducted by the respective Heads of Departments. The inputs received are carefully analyzed and used to identify areas for improvement. This practice has significantly contributed to enhancing the overall teaching-learning environment within the college.

6.4.4.8. Student intake and attrition in the Programme for last five years:

The year's wise information of the student intake and attrition in the Programme (M F Sc -Fish Genetics & Breeding) for last three years is presented below:

Table 10: Student intake and attrition in master's degree Programme for last five years:

S. No	Batch	Intake capacity	Student Admitted	Student on temporary drop	Admission withdrawn	Student Roll dropped
1	2024	02	01	0	0	0

6.4.4.9. ICT Application in Curricula Delivery: To enhance the overall teaching-learning process and optimize content delivery, the College of Fisheries, Kishanganj actively promotes the use of Information and Communication Technology (ICT). All classrooms are equipped with modern tools such as projectors and electronic podiums to facilitate effective and engaging lecture delivery. Administrative and academic processes—including student enrolment, e-course offerings, semester registration, online fee payment, examinations, and result publication—are managed efficiently through the Chanakya NIC Management System.

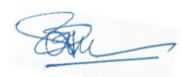
To support teaching, research, and extension activities, the college campus offers free internet access via Wi-Fi and LAN. A dedicated Network Centre/Data Centre has been established to oversee all computerized operations within the institution. Additionally, a 300 Mbps leased line provided by BSNL ensures high-speed internet connectivity across all college buildings and hostels.

Library services have been modernized through the implementation of KOHA, an open-source Library Management System. This platform supports modules such as Acquisition, Cataloguing, Circulation, Serial Control, OPAC, and more enabling the computerization of all library functions. Digital versions of student dissertations are archived in the Krishi Kosh Institutional Repository of NARS, and faculty and students benefit from access to CeRA (Consortium for e-Resources in Agriculture) for academic and research purposes.

6.4.4.10.

College-wise. Certificate (Applicable when SSR is submitted for Programme).

I, the Dean Dr. V P Saini hereby certify that the information contained in the Section 6.4.1 to 6.4.9 are furnished as per records available in the college, and degree awarding University


Dr. V.P. Saini
Dean
College of Fisheries
(Bihar Animal Sciences University)
Arrabari, Kishanganj-855107

Signature of the Dean of the College with Date and Seal

Self-Study Report for PG (M.F.Sc.) Programme

6.4.5. Self-Study Report for the Programme: M.F. Sc (Fish Biotechnology)

6.4.5.1. Brief History of the Degree Programme (M F Sc Fish Biotechnology):

The College of Fisheries, Kishanganj launched its Postgraduate (M.F. Sc) degree program in the subject Fish Biotechnology in the year 2022 with the aim of promoting academic excellence, advanced research, and skilled work force development in fish Biotechnology. The program was designed to address the growing need for trained professionals in fisheries biotechnology, particularly in Bihar and the eastern region of India. The program is contributing meaningfully to the fisheries sector by fostering innovation, research capabilities, and entrepreneurial skills among young professionals.

6.4.5.2. Faculty Strength: The faculty position sanctioned and filled in Fish Biotechnology is mentioned below.

Table : Table showing department-wise faculty positions

Faculty Positions Sanctioned			Faculty Positions Filled (No.)			
Prof.	Assoc. Prof.	Asstt. Prof.	Regular Faculty			Total (Filled)
			Prof.	Assoc. Prof.	Asstt. Prof.	
1	2	3	-	-	2	2

6.4.5.3. Technical and Supporting Staff: The technical and supporting Staff position is reflected in the table mentioned below.

Table: Table showing technical and supporting staff positions in fish biotechnology department

S. No.	Designation	Sanctioned	Filled	Total
1.	Multitask Office Assistant	1	1#	1
2.	Lab Attendant	1	1#	1
3.	Multitask Staff	2	1#	1
Grand Total		4	3#	3
*Permanent, #Outsourced				

6.4.5.4. Classrooms and Laboratories: The Department of Fish Biotechnology has one multimedia-based lecture room. The lecture room is ergonomically designed, well-ventilated, and airy to facilitate the teaching-learning process. The department has proper seating facilities for PG students with multimedia and computer facilities in the department. The detailed description of post-graduate labs, along with specific equipment, are listed below:

Table: Department wise details of post graduate labs:

S. No.	PG Programme offered	No. of labs	Seating capacity
1	M.F. Sc (Fish Biotechnology)	01	30

Table: Details of postgraduate laboratories and equipment

S. No	No. of labs Equipment's	Any other research unit
1	Real-Time (Quantitative) PCR Machine	Glass aquarium (24 x 50 L capacity each) unit fitted with an
2	Thermal Cycler	
3	Gel Documentation System	

4	Horizontal Gel Electrophoresis Units with Power Pack	airlift system and thermostats for experimentation
5	Vertical Gel Electrophoresis Unit with Power Pack	
6	Refrigerated Centrifuge with different rotors	
7	Electroporator	
8	Nano-volume Spectrophotometer	
9	Molecular Biology Grade Water Purification System	
10	Microprocessor Controlled Autoclave	
11	Upright Bright Field Microscope	
12	-20°C Freezer	
13	-80°C Freezer	
14	Refrigerated Water Bath	
15	Multi-Chamber Hot Water Bath	
16	Shaker Incubator	
17	Biosafety Cabinet	
18	PCR Work Station	
19	Analytical Balance	
20	UV Transilluminator	
21	Tissue Homogenizer	
22	pH Meter	
23	Hotplate-cum-Magnetic Stirrer	
24	Microwave Oven	
25	Vortex	
26	Rocker	
27	Minicentrifuge	
28	Variable Volume Micropipettes	

6.4.5. 5. Conduct of Practical and Hands-on -Training

In practical classes, students are given hands-on training and full exposure on each topic. The practical class is of two hours where students are given practical exposure by performing different test/ practicals to develop learning experiences with latest tools and techniques available in the concerned department. The teachers instruct, interact, demonstrate each topic, and give sufficient time for each student to perform/repeat the exercise.

Fig: Postgraduate students of FBT engaged in practical exercises



6.4.5.6. Supervision of students in PG Programs: Students after getting enrolled in M.F.Sc. programs are allotted major advisors who act as a chairman of the advisory committee. The advisory committee of the student is constituted as per the statutory provision comprising of one of the departmental faculty, one faculty member from minor subject, one from supportive subject and one nominee of Dean Post Graduate Studies. The student in consultation with major

advisor and advisory committee finalizes the area of his/her research work. Finally, the synopsis is approved by Dean Post Graduate studies. The allotment of major advisors to the students is according to the roaster being followed to maintain the uniformity. The academic progress of students is reviewed in regular advisory committee meetings, and its recommendations are sent to the Dean, Post Graduate Studies

6.4.5.7. Feedback of Stakeholders: At the end of each academic year, students enrolled in the M.F. Sc program are invited to provide feedback on their academic experience. This feedback is collected through personal interactions conducted by the respective Heads of Departments. The inputs received are carefully analyzed and used to identify areas for improvement. This practice has significantly contributed to enhancing the overall teaching-learning environment within the college.

6.4.5.8. Student intake and attrition in the Programme for last five years: The year-wise information of the student intake and attrition in the Programme (M F Sc -Fish Genetics & Breeding) for the last three years is presented below:

Table 10: Student intake and attrition in master's degree Programme for last five years:

S. No	Batch	Intake capacity	Student Admitted	Student on temporary drop	Admission withdrawn	Student Roll dropped
1	2022	02	02	0	02	0
2	2023	02	01	0	0	0
3	2024	03	01	0	0	0

6.4.5.9. ICT Application in Curricula Delivery: To enhance the overall teaching-learning process and optimize content delivery, the College of Fisheries, Kishanganj actively promotes the use of Information and Communication Technology (ICT). All classrooms are equipped with modern tools such as projectors and electronic podiums to facilitate effective and engaging lecture delivery. Administrative and academic processes—including student enrolment, e-course offerings, semester registration, online fee payment, examinations, and result publication—are managed efficiently through the Chanakya NIC Management System.

To support teaching, research, and extension activities, the college campus offers free internet access via Wi-Fi and LAN. A dedicated Network Centre/Data Centre has been established to oversee all computerized operations within the institution. Additionally, a 300 Mbps leased line provided by BSNL ensures high-speed internet connectivity across all college buildings and hostels.

Library services have been modernized through the implementation of KOHA, an open-source Library Management System. This platform supports modules such as Acquisition, Cataloguing, Circulation, Serial Control, OPAC, and more enabling the computerization of all library functions. Digital versions of student dissertations are archived in the Krishi Kosh Institutional Repository of NARS, and faculty and students benefit from access to CeRA (Consortium for e-Resources in Agriculture) for academic and research purposes.

6.4.5.10.

College-wise. Certificate (Applicable when SSR is submitted for Programme). I, the Dean Dr. V P Saini hereby certify that the information contained in the Section 6.4.1 to 6.4.9 are furnished as per records available in the college, and degree awarding University

Self-Study Report for PG (M.F.Sc.) Programme

6.4.6. Self-Study Report for the Programme: M.F.Sc.(Fish Physiology & Biochemistry)

6.4.6.1. Brief History of the PG Degree Programme in Fish Physiology & Biochemistry:

The M.F.Sc degree program Fish Physiology & Biochemistry of College of Fisheries Kishanganj was started in 2022 with the aim of promoting academic excellence, advanced research, and skilled work force development in Fish Physiology & Biochemistry. The program was designed to address the growing need for trained professionals in fish physiology and biochemistry, particularly in Bihar and the eastern region of India. The program is contributing meaningfully to the fisheries sector by fostering innovation, research capabilities, and entrepreneurial skills among young professionals.

6.4.6.2. Faculty Strength:

The faculty position sanction and filled in Fish Physiology and Biochemistry is presented below:

Table : Table showing faculty positions in Fish Physiology and Biochemistry

Faculty Positions Sanctioned			Faculty Positions Filled (No.)			
			Regular Faculty			Total (Filled)
Prof.	Assoc. Prof.	Asstt. Prof.	Prof.	Assoc. Prof.	Asstt. Prof.	
1	2	3	-	-	3	3

6.4.6. 3. Technical and Supporting Staff:

The technical and supporting Staff position is reflected in the table mentioned below.

S. No.	Designation	Sanctioned	Filled	Total
1.	Multitask Office Asstt.	2	0	0
2.	Lab Attendant	1	1	1
3.	Multitask Staff	2	1	1
Grand Total		5	2	2
*Permanent, Outsourced				

6.4.6.4. Classrooms and Laboratories:

The department of Fish Physiology & Biochemistry has one Multimedia based lecture rooms. The lecture room is ergonomically designed and is well ventilated and airy to facilitate teaching-learning process. The department has proper seating facilities for PG students with multimedia and computer facilities in their department. The detailed description of post graduate labs along with specific equipment is listed below:

Table: The details of post graduate labs:

S.No.	PG Programme offered	No. of labs	Seating capacity
1	M F Sc (Fish Physiology & Biochemistry)	1	30

Table: Details of post graduate laboratories and equipment

S. No	No. of labs	Equipment's	Any other research unit
1		Spectrophotometer -2, Incubator-1, Rotary Evaporator-1, Shaker-1, pH meter-2, Vertical electrophoresis -1, Binocular Microscope -2, Double distillation unit -1, Weighing balance -2, Refrigerator-1, Vacuum desiccator -1, Elisa Reader-1, Horizontal electrophoresis -1, UV- Trans-illuminator -1, water bath -2, Refrigerated centrifuge-1, hot plate with magnetic stirrer-1, Vertical Laminar-1, Refrigerator (4°C)-1, Refrigerator (-20°C)-1	

6.4.6.5. Conduct of Practical and Hands-on -Training

In practical classes, students are given hands-on training and full exposure on each topic. The practical class is of two hours where students are given practical exposure by performing different test/ practical's to develop learning experiences with latest tools and techniques available in the concerned department. The teachers instruct, interact, demonstrate each topic, and give sufficient time for each student to perform/repeat the exercise.

**Fig: Postgraduate students engaged in practical exercises****6.4.6.6. Supervision of students in PG Programs:**

Students after getting enrolled in M.F.Sc. programs are allotted major advisors who act as a Chairman of the advisory committee. The advisory committee of the student is constituted as per the statutory provision comprising of one of the departmental faculty, one faculty member from minor subject, one from supportive subject and one nominee of Dean Post Graduate Studies. The student in consultation with major advisor and advisory committee finalizes the area of his/her research work. Finally, the synopsis is approved by Dean Post Graduate studies. The allotment of major advisors to the students is according to the roster being followed to maintain the uniformity. The academic progress of students is reviewed in regular advisory committee meetings and its recommendations are sent to the Dean, Post Graduate Studies

6.4.6.7. Feedback of Stakeholders:

At the end of each academic year, students enrolled in the M.F.Sc program are invited to provide feedback on their academic experience. This feedback is collected through personal interactions conducted by the respective Heads of Departments. The inputs received are carefully analyzed and used to identify areas for improvement. This practice has significantly contributed to enhancing the overall teaching-learning environment within the college.

6.4.6.8. Student intake and attrition in the programme for last five years:

The year's wise information of the student intake and attrition in the program (M F Sc Fish Physiology & Biochemistry) for last three years is presented below:

Table : Student intake and attrition in Master's degree programme for last five years:

S. No	Academic Year	Intake capacity	Student Admitted	Student on temporary drop	Admission withdrawn	Student Roll dropped
1	2022	02	02	0	0	01
2	2023	02	02	0	0	0
3	2024	03	00	0	0	0

6.4.6. 9. ICT Application in Curricula Delivery:

To enhance the overall teaching-learning process and optimize content delivery, the College of Fisheries, Kishanganj actively promotes the use of Information and Communication Technology (ICT). All classrooms are equipped with modern tools such as projectors and electronic podiums to facilitate effective and engaging lecture delivery. Administrative and academic processes—including student enrolment, e-course offerings, semester registration, online fee payment, examinations, and result publication—are managed efficiently through the Chanakya NIC Management System.

To support teaching, research, and extension activities, the college campus offers free internet access via Wi-Fi and LAN. A dedicated Network Centre/Data Centre has been established to oversee all computerized operations within the institution. Additionally, a 300 Mbps leased line provided by BSNL ensures high-speed internet connectivity across all college buildings and hostels.

Library services have been modernized through the implementation of KOHA, an open-source Library Management System. This platform supports modules such as Acquisition, Cataloguing, Circulation, Serial Control, OPAC, and more enabling the computerization of all library functions. Digital versions of student dissertations are archived in the Krishi Kosh Institutional Repository of NARS, and faculty and students benefit from access to CeRA (Consortium for e-Resources in Agriculture) for academic and research purposes.

6.4.6.10.

College-wise. Certificate (Applicable when SSR is submitted for Programme).

I, the Dean Dr. V P Saini hereby certify that the information contained in the Section 6.4.1 to 6.4.9 are furnished as per records available in the college, and degree awarding University


Dr. V.P. Saini
 Dean
 College of Fisheries
 (Bihar Animal Sciences University)
 Arrabari, Kishanganj-855107

Signature of the Dean of the College with Date and Seal

Self-Study Report for PG (M.F.Sc.) Programme

6.4.7. Self-Study Report for the Programme: M.F.Sc.(Fish Nutrition & Feed Technology)

6.4.7.1. Brief History of the PG Degree Programme in Fish Nutrition & Feed Technology:

The M.F. Sc degree program Fish Nutrition & Feed Technology of College of Fisheries Kishanganj was started in 2022 with the aim of promoting academic excellence, advanced research, and skilled work force development in Fish Nutrition & Feed Technology. The program was designed to address the growing need for trained professionals in fish nutrition, particularly in Bihar and the eastern region of India. The program is contributing meaningfully to the fisheries sector by fostering innovation, research capabilities, and entrepreneurial skills among young professionals.

6.4.7.2. Faculty Strength:

The faculty position sanction and filled in Fish Nutrition & Feed Technology is presented below:

Table : Table showing faculty positions in Fish Nutrition & Feed Technology

Faculty Positions Sanctioned			Faculty Positions Filled (No.)			Total (Filled)
Prof.	Assoc. Prof.	Asstt. Prof.	Prof.	Assoc. Prof.	Asstt. Prof.	
1	2	3	-	-	2	2

6.4.7. 3. Technical and Supporting Staff:

The technical and supporting Staff position is reflected in the table mentioned below.

S. No.	Designation	Sanctioned	Filled	Total
1.	Multitask Office Asstt.	1	-	-
2.	Lab Attendant	1	1#	1
3.	Multitask Staff	5	-	-
Grand Total		7	1	1
*Permanent, Outsourced				

6.4.7.4. Classrooms and Laboratories:

The department of Fish Nutrition & Feed Technology has one Multimedia based lecture rooms. The lecture room is ergonomically designed and is well ventilated and airy to facilitate teaching-learning process. The department has proper seating facilities for PG students with multimedia and computer facilities in their department. The detailed description of post graduate labs along with specific equipment is listed below:

Table: The details of postgraduate labs:

S .No.	PG Programme offered	No. of labs	Seating capacity
1	M F Sc (Fish Nutrition & Feed Technology)	1	30

Table: Details of post graduate laboratories and equipment

S. No	No. of labs	Equipment's
1		Kjeltec unit (Protein Analyzer)-1, Hot Air Oven-2, Soxhlet Apparatus (Fat determination unit)-1, Muffle Furnace-2, Pulverizer (Grinder)-1, Centrifuge (Non refrigerated)-2, Weighing balance -2, Desiccator -2, Vortex mixer-2, magnetic stirrer with hot plate – 1, Water bath – 2, Orbital shaking incubator – 1, Bomb Calorimeter-1

6.4.7.5. Conduct of Practical and Hands-on -Training

In practical classes, students are given hands-on training and full exposure to each topic. The practical class is of two hours where students are given practical exposure by performing different test/ practical to develop learning experiences with latest tools and techniques available in the department concerned. The teachers instruct, interact, demonstrate each topic, and give sufficient time for each student to perform/repeat the exercise.



Fig: Postgraduate students engaged in practical exercises

6.4.7.6. Supervision of students in PG Programs:

Students after getting enrolled in M.F.Sc. programs are allotted major advisors who act as a Chairman of the advisory committee. The advisory committee of the student is constituted as per the statutory provision comprising of one of the departmental faculty, one faculty member from minor subject, one from supportive subject and one nominee of Dean Post Graduate Studies. The student in consultation with major advisor and advisory committee finalizes the area of his/her research work. Finally, the synopsis is approved by Dean Post Graduate studies. The allotment of major advisors to the students is according to the roster being followed to maintain the uniformity. The academic progress of students is reviewed in regular advisory committee meetings and its recommendations are sent to the Dean, Post Graduate Studies

6.4.7.7. Feedback of Stakeholders:

At the end of each academic year, students enrolled in the M.F. Sc program are invited to provide feedback on their academic experience. This feedback is collected through personal interactions conducted by the respective Heads of Departments. The inputs received are carefully analyzed and used to identify areas for improvement. This practice has significantly contributed to enhancing the overall teaching-learning environment within the college.

6.4.7.8. Student intake and attrition in the programme for last five years:

The year's wise information of the student intake and attrition in the program (M F Sc Fish Nutrition & Feed Technology) for last three years is presented below:

Table: Student intake and attrition in Master's degree Programme for last five years:

S. No	Academic Year	Intake capacity	Student Admitted	Student on temporary drop	Admission withdrawn	Student Roll dropped
1	2022	02	02	0	01	0
2	2023	02	02	0	01	0
3	2024	03	02	0	01	0

6.4.7. 9. ICT Application in Curricula Delivery:

To enhance the overall teaching-learning process and optimize content delivery, the College of Fisheries, Kishanganj actively promotes the use of Information and Communication Technology (ICT). All classrooms are equipped with modern tools such as projectors and electronic podiums to facilitate effective and engaging lecture delivery. Administrative and academic processes—including student enrolment, e-course offerings, semester registration, online fee payment, examinations, and result publication—are managed efficiently through the Chanakya NIC Management System.

To support teaching, research, and extension activities, the college campus offers free internet access via Wi-Fi and LAN. A dedicated Network Centre/Data Centre has been established to oversee all computerized operations within the institution. Additionally, a 300 Mbps leased line provided by BSNL ensures high-speed internet connectivity across all college buildings and hostels.

Library services have been modernized through the implementation of KOHA, an open-source Library Management System. This platform supports modules such as Acquisition, Cataloguing, Circulation, Serial Control, OPAC, and more enabling the computerization of all library functions. Digital versions of student dissertations are archived in the Krishi Kosh Institutional Repository of NARS, and faculty and students benefit from access to CeRA (Consortium for e-Resources in Agriculture) for academic and research purposes.

6.4.7.10.

College-wise. Certificate (Applicable when SSR is submitted for Programme).

I, the Dean Dr. V P Saini hereby certify that the information contained in the Section 6.4.1 to 6.4.9 are furnished as per records available in the college, and degree awarding University


Dr. V.P. Saini
Dean
College of Fisheries
(Bihar Animal Sciences University)
Arrabari, Kishanganj-855107

Signature of the Dean of the College with Date and Seal

Self-Study Report for PG (M.F.Sc.) Programme

6.4.8. Self-Study Report for the Programme: M.F. Sc (Fish Processing Technology)

6.4.8.1. Brief History of the Degree Programme (Fish Processing Technology):

The College of Fisheries, Kishanganj launched its Postgraduate (M.F.Sc) Fish Processing Technology in 2022 with the aim of promoting academic excellence, advanced research, and skilled work force development in fish processing. The program was designed to address the growing need for trained professionals in fish processing, particularly in Bihar and the eastern region of India. The program is contributing meaningfully to the fisheries sector by fostering innovation, research capabilities, and entrepreneurial skills among young professionals.

6.4.8. 2. Faculty Strength:

The faculty position sanction and filled in Fish Processing Technology are mentioned below.

Table : Table showing department wise faculty positions

Faculty Positions Sanctioned			Faculty Positions Filled (No.)			
Prof.	Assoc. Prof.	Asstt. Prof.	Regular Faculty			Total (Filled)
			Prof.	Assoc. Prof.	Asstt. Prof.	
2	3	5	*2	-	4	4+1*

* Adjunct Professor

6.4.8.3. Technical and Supporting Staff:

The technical and supporting Staff position is reflected in the table mentioned below.

Table: Table showing technical and supporting staff positions in fish processing technology

S. No.	Designation	Sanctioned	Filled	Total
1.	Multitask Office Asstt.	2	1#	1
2.	Lab Attendant	1	1#	1
3.	Multitask Staff	5	1#	1
Grand Total		8	3	3
*Permanent, Outsourced				

6.4.8.4. Classrooms and Laboratories:

Fish Processing Technology has one Multimedia based lecture room. The lecture room is ergonomically designed and are well ventilated and airy to facilitate teaching-learning process. Besides this, every postgraduate department has the facility in place to conduct PG classes. The detailed description of post graduate labs along with specific equipment are listed below:

Table : Department wise details of post graduate labs:

S.No.	PG Programme offered	No. of labs	Seating capacity
1	M F Sc (FPT)	2	30

Table: Details of post graduate laboratories and equipment

S. No	No. of labs	Equipment's
1		Digital Vernier Caliper-6, Dissecting Microscope-10, Trinocular Microscope-2, Binocular Microscope-10, Portable microscope- 1, BOD Incubator, Analytical balance- 3, -20°C Freezer (horizontal)-1, Refrigerator (4°C)-1, Hand Refractometer-2, Handheld water quality analyzer (Salinometer)-1, GPS-3, Illuminated stand magnifier-1. The Models of Fishing crafts and

Gears are available for teaching and practical aspects of fishing gear and crafts technology.

6.4.8. 5. Conduct of Practicals and Hands-on -Training:

In practical classes, students are given hands-on training and full exposure on each topic. The practical class is of two hours where students are given practical exposure by performing different test/ practical's to develop learning experiences with latest tools and techniques available in the concerned department. The teachers instruct, interact, demonstrate each topic, and give sufficient time for each student to perform/repeat the exercise.



Fig : Postgraduate students engaged in practical exercises

6.4.8. 6. Supervision of students in PG Programs:

Students after getting enrolled in M.F.Sc. programs are allotted major advisors who act as a Chairman of the advisory committee. The advisory committee of the student is constituted as per the statutory provision comprising of one of the departmental faculty, one faculty member from minor subject, one from supportive subject and one nominee of Dean Post Graduate Studies. The student in consultation with major advisor and advisory committee finalizes the area of his/her research work. Finally, the synopsis is approved by Dean Post Graduate studies. The allotment of major advisors to the students is according to the roaster being followed to maintain the uniformity. The academic progress of students is reviewed in regular advisory committee meetings and its recommendations are sent to the Dean, Post Graduate Studies

6.4.8. 7. Feedback of Stakeholders:

At the end of each academic year, students enrolled in the M.F.Sc program are invited to provide feedback on their academic experience. This feedback is collected through personal interactions conducted by the respective Heads of Departments. The inputs received are carefully analyzed and used to identify areas for improvement. This practice has significantly contributed to enhancing the overall teaching-learning environment within the college.

6.4.8. 8. Student intake and attrition in the programme for last five years:

The year's wise information of the student intake and attrition in the programme for last three years is presented below:

Table : Student intake and attrition in Master's degree Programme (M F Sc Fish Processing Technology) for last five years:

S. No	Academic Year	Intake capacity	Student Admitted	Student on temporary drop	Admission withdrawn	Student Roll dropped
1	2022	02	02	0	0	01
2	2023	02	02	0	0	0
3	2024	03	00	0	0	0

6.4.8. 9. ICT Application in Curricula Delivery:

To enhance the overall teaching-learning process and optimize content delivery, the College of Fisheries, Kishanganj actively promotes the use of Information and Communication Technology (ICT). All classrooms are equipped with modern tools such as projectors and electronic podiums to facilitate effective and engaging lecture delivery. Administrative and academic processes—including student enrolment, e-course offerings, semester registration, online fee payment, examinations, and result publication—are managed efficiently through the Chanakya NIC Management System.

To support teaching, research, and extension activities, the college campus offers free internet access via Wi-Fi and LAN. A dedicated Network Centre/Data Centre has been established to oversee all computerized operations within the institution. Additionally, a 300 Mbps leased line provided by BSNL ensures high-speed internet connectivity across all college buildings and hostels.

Library services have been modernized through the implementation of KOHA, an open-source Library Management System. This platform supports modules such as Acquisition, Cataloguing, Circulation, Serial Control, OPAC, and more enabling the computerization of all library functions. Digital versions of student dissertations are archived in the Krishi Kosh Institutional Repository of NARS, and faculty and students benefit from access to CeRA (Consortium for e-Resources in Agriculture) for academic and research purposes.

6.4.8.10.

College-wise. Certificate (Applicable when SSR is submitted for Programme).

I, the Dean Dr. V P Saini hereby certify that the information contained in the Section 6.4.1 to 6.4.9 are furnished as per records available in the college, and degree awarding University



Dr. V.P. Saini
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Self-Study Report for PG (M.F.Sc.) Programme

6.4.9. Self-Study Report for the Programme: M.F. Sc (Fisheries Extension)

6.4.9.1. Brief History of the PG Degree Programme in Fisheries Extension:

The M. F. Sc (Fisheries Extension) of College of Fisheries, Kishanganj was launched in 2024 with the aim of promoting academic excellence, advanced research, and skilled work force development in fisheries extension. The program was designed to address the growing need for trained professionals in fisheries extension, particularly in Bihar and the eastern region of India. The program is contributing meaningfully to the fisheries sector by fostering innovation, research capabilities, and entrepreneurial skills among young professionals.

6.4. 9.2. Faculty Strength:

The faculty position sanction and filled in Fisheries Extension is mentioned below.

Table 6: Table showing fisheries extension faculty positions

Faculty Positions Sanctioned			Faculty Positions Filled (No.)			
			Regular Faculty			Total (Filled)
Prof.	Assoc. Prof.	Asstt. Prof.	Prof.	Assoc. Prof.	Asstt. Prof.	
1	2	3	-	1*	1+2*	1+3

*Posted in CoVAS, Kishanganj are also involved in teaching

6.4. 9.3. Technical and Supporting Staff:

The technical and supporting Staff position is reflected in the table mentioned below.

Table: Table showing technical and supporting staff positions in Fisheries Extension

S. No.	Designation	Sanctioned	Filled	Total
1.	Multitask Office Asstt.	2	0	0
2.	Lab Attendant	1	1#	1
3.	Multitask Staff	1	0	0
4	Photographer	1	1	1
Grand Total		5	2	2
*Permanent, Outsourced				

6.4.9.4. Classrooms and Laboratories:

One Multimedia based lecture room is available with extension division. The lecture room is ergonomically designed and is well ventilated and airy to facilitate teaching-learning process. The detailed description of post graduate labs along with specific equipment are listed below:

Table : Details of post graduate lab:

S .No.	PG Programme offered	No. of labs	Seating capacity
1	M.F. Sc (Fisheries Extension)	1	30

Table: Details of post graduate laboratories and equipment

No. of labs	Equipment's	Any other research unit
	Laptop-1, Printer-1, Display Boards - 8, Motorized Projection Screen-1, Projection Screen-1, Projector-1, Television (55")-1, Public address system with speaker and microphone-1, Integrated fish Farm Model-1, Local fishing traps models-7	Farmers Training Room

6.4. 9.5. Conduct of Practicals and Hands-on -Training:

In practical classes, students are given hands-on training and full exposure on each topic. The practical class is of two hours where students are given practical exposure by performing different test/ practical's to develop learning experiences with latest tools and techniques available in the concerned department. The teachers instruct, interact, demonstrate each topic, and give sufficient time for each student to perform/repeat the exercise.



Fig : Extension Lab & Training Room

6.4.9. 6. Supervision of students in PG Programs:

Students after getting enrolled in M.F.Sc. programs are allotted major advisors who act as a Chairman of the advisory committee. The advisory committee of the student is constituted as per the statutory provision comprising of one of the departmental faculty, one faculty member from minor subject, one from supportive subject and one nominee of Dean Post Graduate Studies. The student in consultation with major advisor and advisory committee finalizes the area of his/her research work. Finally, the synopsis is approved by Dean Post Graduate studies. The allotment of major advisors to the students is according to the roster being followed to maintain the uniformity. The academic progress of students is reviewed in regular advisory committee meetings and its recommendations are sent to the Dean, Post Graduate Studies

6.4.9. 7. Feedback of Stakeholders:

At the end of each academic year, students enrolled in the M.F.Sc program are invited to provide feedback on their academic experience. This feedback is collected through personal interactions conducted by the respective Heads of Departments. The inputs received are carefully analyzed and used to identify areas for improvement. This practice has significantly contributed to enhancing the overall teaching-learning environment within the college.

6.4.9. 8. Student intake and attrition in the programme for last five years:

The initial admission capacity of various departments offering postgraduate programme varies on yearly basis. This year's wise information of the student intake and attrition in the programme for last three years is presented below:

Table: Student intake and attrition in Master's degree Programme for last five years:

S. No	Academic Year	Intake capacity	Student Admitted	Student on temporary drop	Admission withdrawn	Student Roll dropped
1	2022	-	-	-	-	-
2	2023	-	-	-	-	-
3	2024	-	-	-	-	-

6.4.9. 9. ICT Application in Curricula Delivery:

To enhance the overall teaching-learning process and optimize content delivery, the College of Fisheries, Kishanganj actively promotes the use of Information and Communication Technology (ICT). All classrooms are equipped with modern tools such as projectors and electronic podiums to facilitate effective and engaging lecture delivery. Administrative and academic processes—including student enrolment, e-course offerings, semester registration, online fee payment, examinations, and result publication—are managed efficiently through the Chanakya NIC Management System.

To support teaching, research, and extension activities, the college campus offers free internet access via Wi-Fi and LAN. A dedicated Network Centre/Data Centre has been established to oversee all computerized operations within the institution. Additionally, a 300 Mbps leased line provided by BSNL ensures high-speed internet connectivity across all college buildings and hostels.

Library services have been modernized through the implementation of KOHA, an open-source Library Management System. This platform supports modules such as Acquisition, Cataloguing, Circulation, Serial Control, OPAC, and more enabling the computerization of all library functions. Digital versions of student dissertations are archived in the Krishi Kosh Institutional Repository of NARS, and faculty and students benefit from access to CeRA (Consortium for e-Resources in Agriculture) for academic and research purposes.

6.4.9.10.

College-wise. Certificate (Applicable when SSR is submitted for Programme).

I, the Dean Dr. V P Saini hereby certify that the information contained in the Section 6.4.1 to 6.4.9 are furnished as per records available in the college, and degree awarding University


Dr. V.P. Saini
Dean
College of Fisheries
(Bihar Animal Sciences University)
Arrabari, Kishanganj-855107

Signature of the Dean of the College with Date and Seal

Self-Study Report for PG (M.F.Sc.) Programme

6.4.10. Self-Study Report for the Programme: M.F.Sc. Fisheries Resource Management)

6.4. 1. Brief History of the PG Degree Programme in Fisheries Resource Management

The College of Fisheries, Kishanganj launched M.F.Sc. (Fisheries Resource Management) PG degree program in 2022 with the aim of promoting academic excellence, advanced research, and skilled work force development in fisheries resource management. The program was designed to address the growing need for trained professionals in resource management, particularly in Bihar and the eastern region of India. The program is contributing meaningfully to the fisheries sector by fostering innovation, research capabilities, and entrepreneurial skills among young professionals.

6.4.10. 2. Faculty Strength

The departmental faculty position sanction and filled is mentioned below.

Table: Table showing department wise faculty positions

Faculty Positions Sanctioned			Faculty Positions Filled (No.)			
Prof.	Assoc. Prof.	Asstt. Prof.	Regular Faculty			Total (Filled)
			Prof.	Assoc. Prof.	Asstt. Prof.	
2	3	6	1*	-	3	3+1*

* Adjunct Professor

6.4.10. 3. Technical and Supporting Staff

The technical and supporting Staff position is reflected in the table mentioned below.

Table: Table showing technical and supporting staff positions in fisheries resource management

S. No.	Designation	Sanctioned	Filled	Total
1.	Multitask Office Asstt.	2	1#	1
2.	Lab Attendant	1	1#	1
3.	Multitask Staff	5	1#	1
Grand Total		8	3	3
*Permanent, Outsourced				

6.4.10.4. Classrooms and Laboratories

The Fisheries Resources Management has one Multimedia based lecture room. The lecture room is ergonomically designed and is well ventilated and airy to facilitate teaching-learning process. The detailed description of post graduate lab along with specific equipment are listed below:



Table: Details of postgraduate lab

S. No.	PG Programme offered	No. of labs	Seating capacity
1	M.F.Sc. (FRM)	1	30

/Table: Details of post graduate laboratories and equipment

No. of labs	Equipment's	Any other research unit
	Stereo Zoom Microscope-1, GIS Workstation-1, Electronic Weighing Balance -4, BOD Incubator-1, Binocular Microscope-15, Magnetic Stirrer-1, pH meter-1, Refrigerator-1, Deep Freezer-1, Spectrophotometer-1, Digital Vernier Caliper-6, Hand-held GPS-3, Hand-held Refractometer-2, Handheld Water Quality Meter-1, Illuminated Stand Magnifier-2, Models of Craft and Gear-18	A well-managed museum of finfish and shellfish is also established for better practical knowledge of fish taxonomy.

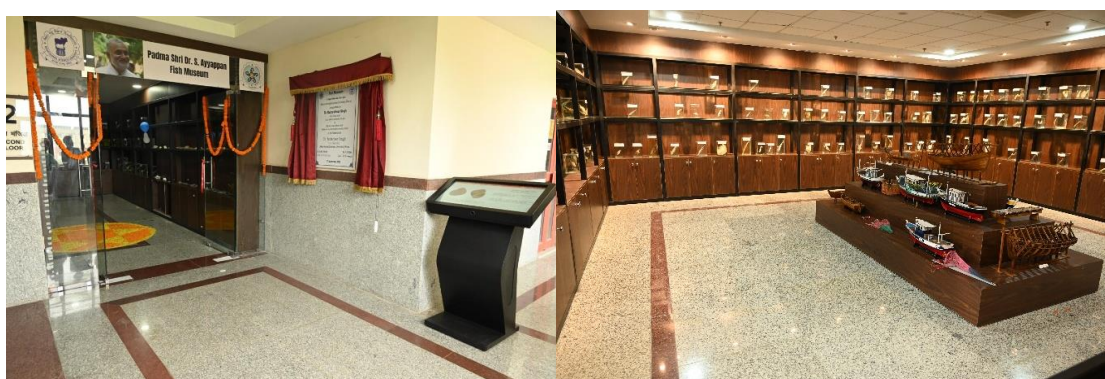


Fig: Padma Shri Dr. S Ayyappa Fish Museum

6.4.10. 5. Conduct of Practicals and Hands-on -Training

In practical classes, students are given hands-on training and full exposure on each topic. The practical class is of two hours where students are given practical exposure by performing different test/ practical's to develop learning experiences with latest tools and techniques available in the concerned department. The teachers instruct, interact, demonstrate each topic, and give sufficient time for each student to perform/repeat the exercise.

6.4.10. 6. Supervision of students in PG Programs

Students after getting enrolled in M.F.Sc. programs are allotted major advisors who act as a chairman of the advisory committee. The advisory committee of the student is constituted as per the statutory provision comprising of one of the departmental faculty, one faculty member from minor subject, one from supportive subject and one nominee of Dean Post Graduate Studies. The student in consultation with major advisor and advisory committee finalizes the area of his/her research work. Finally, the synopsis is approved by Dean Post Graduate studies. The allotment of major advisors to the students is according to the roster being followed to maintain the uniformity. The academic progress of students is reviewed in regular advisory committee meetings, and its recommendations are sent to the Dean, Post Graduate Studies

6.4.10 7. Feedback of Stakeholders

At the end of each academic year, students enrolled in the M.F.Sc. program are invited to provide feedback on their academic experience. This feedback is collected through personal interactions conducted by the respective Heads of Departments. The inputs received are carefully analyzed and used to identify areas for improvement. This practice has significantly contributed to enhancing the overall teaching-learning environment within the college.

6.4.10. 8. Student intake and attrition in the programme for last five years

The initial admission capacity of various departments offering postgraduate programme varies on yearly basis. The year-wise information of the student intake and attrition in the programme for last three years is presented below:

Table: Student intake and attrition in Master's degree (M.F.Sc. FRM) programme for last five years

S. No	Academic Year	Intake capacity	Student Admitted	Student on temporary drop	Admission withdrawn	Student Roll dropped
1	2022	02	02	01	0	0
2	2023	02	02	0	0	0
3	2024	03	01	0	0	0

6.4.10 9. ICT Application in Curricula Delivery

To enhance the overall teaching-learning process and optimize content delivery, the College of Fisheries, Kishanganj actively promotes the use of Information and Communication Technology (ICT). All classrooms are equipped with modern tools such as projectors and electronic podiums to facilitate effective and engaging lecture delivery. Administrative and academic processes—including student enrolment, e-course offerings, semester registration, online fee payment, examinations, and result publication—are managed efficiently through the Chanakya NIC Management System.

To support teaching, research, and extension activities, the college campus offers free internet access via Wi-Fi and LAN. A dedicated Network Centre/Data Centre has been established to oversee all computerized operations within the institution. Additionally, a 300 Mbps leased line provided by BSNL ensures high-speed internet connectivity across all college buildings and hostels.

Library services have been modernized through the implementation of KOHA, an open-source Library Management System. This platform supports modules such as Acquisition, Cataloguing, Circulation, Serial Control, OPAC, and more enabling the computerization of all library functions. Digital versions of student dissertations are archived in the Krishi Kosh Institutional Repository of NARS, and faculty and students benefit from access to CeRA (Consortium for e-Resources in Agriculture) for academic and research purposes.

6.4.10.10.

College-wise. Certificate (Applicable when SSR is submitted for Programme).

I, the Dean Dr. V P Saini hereby certify that the information contained in the Section 6.4.1 to 6.4.9 are furnished as per records available in the college, and degree awarding University



Dr. V.P. Saini
Dean
College of Fisheries
(Bihar Animal Sciences University)
Arrah, Kishanganj-853107

Signature of the Dean of the College with Date and Seal

Self-Study Report for College of Fisheries

6.5: Self-Study Report for College of Fisheries

The State of Bihar and North Bihar in particular have vast potential for fisheries development. While working on Transformation of Agriculture in Bihar and in that context realizing its potential fisheries by the Hon'ble Chief Minister of Bihar Shri Nitish Kumar and his Agriculture Advisor and former DG of ICAR, Dr. Mangla Rai, the College of Fisheries has been established at Kishanganj. The College of Fisheries is located about 22 Km away from the district town and 25 Km away from Kishanganj Railway Station. Kishanganj is known for good quality tea production apart from pineapple and jutes being the first district in Bihar to produce tea at large scale. The College is situated beside the bank of River Mahananda. The Vision, Mission and Objectives of the College of Fisheries Kishanganj are as below:

Vision: A credible fisheries education institution that nurtures the next generation of professionals and entrepreneurs in fisheries sector and contributes to the state and nation by pursuing innovation and research that is relevant to local needs and directed towards maximizing outcomes for economic, social and environmental wellbeing.

Mission: Producing fisheries graduates and entrepreneurs with credible skills, capabilities and commitment to transform the sector through innovative, inclusive and sustainable technology, practices and policy inputs.

Objectives:

- To provide professional and quality education in fisheries
- To enhance knowledge in the field of fisheries and related aspects through teaching and research.
- To provide scientific information regarding exploitation and management of fisheries resources in the state of Bihar.
- To popularize various concepts of aquaculture and allied activities for the benefit of rural and urban masses.
- To develop trained human resources for promoting entrepreneurship in the field of aquaculture and fisheries.
- To make innovations in teaching and research related to fisheries.
- To make consolidated efforts in fisheries education up-gradation through skillful learning with appropriate linkages with related subjects, departments and institutes.
- To promote need-based research on fisheries, inland fisheries in particular, to cope with upcoming environmental challenges.

6.5.1: College Administration

As per the university (BASU) Act 2016 and Statutes, the Dean of the College, ably supported by Heads of eleven departments to carry out and shoulder teaching, research, extension and other administrative responsibilities, is looking after the College administration.

6.5.1.1: College Dean's Office Establishment: *the appropriate authority has sanctioned Whether Dean's post as per ICAR Model Act/UGC guidelines. Date of selection of present Dean, mode of selection, tenure etc. shall be mentioned. Clearly mention the staff and infrastructure/ facilities available in the Dean's Secretariat.*

Animal and Fisheries Resources Department, Government of Bihar has sanctioned a post of Dean for College of Fisheries, Kishanganj (Vide order No F. 6 S.S. (11)01/2018-1954 dated 19.06.2018). As per BASU Act, 2016, the post of Dean is tenure of 5 years. Dean of the college is answerable to the Vice Chancellor for administration and is responsible for management of teaching, research extension and other academic responsibilities at college level. The details of present Dean date of appointment, tenure and mode of selection is as below:

S. No	Name of the position (sanctioned)	Name of the Officer (at present)	Date of the appointment	Tenure	Appointed /Nominated
1	Dean	Dr. V. P. Saini	12.03.2024	5 Years	Appointed by direct selection

The sanctioned staff position including clerical staff in the College Dean's office Establishment is given below:

S. No.	Designation	Sanctioned Post(s)	Filled	Total
1.	PS to Dean	1	1#	1
2.	Assistant Comptroller	1	1	1
3.	Accountant	2	-	-
4.	Cashier	1	-	-
5.	Driver	2	1#	1
6.	Multi Task Office	5	2#	2
7.	Multi Task Staff	6	3#	3
8	Photographer	1	1*	1
*Permanent, # Outsourced				

6.5.1.2: Monitoring Mechanism for Quality Education (online): *Whether the College is having an internal quality assurance system, with appropriate structure and processes, and with enough flexibility to meet the diverse needs of the stakeholders which is required for planning, guiding and monitoring quality assurance and quality enhancement activities of the Colleges. How effectively monitoring of teaching, research and extension across the departments is being conducted, and mention the impact of monitoring on the outcome of the College with reference to students' excelling in academics, research and extracurricular activities.*

The Dean, Officer Incharge Academics and concerned Heads of departments are regularly monitoring academic activities. Students are free to contact or send email to Dean/Incharge Academics/Head or their advisors regarding problems in academics. The faculty / staff members communicate through their Heads of Departments to the Dean and Vice Chancellor in case some decision is to be taken at the university level authorities. The hostel warden and Hostel Superintendent communicates with the students in order to redress their grievances and reports to Students Welfare Officer. The Dean of the faculty with the help of officer In-charge Academic and Heads of the departments regularly monitor the progress of the course work. Most often, the quality of the class by the faculty is adjudged by Dean. Website www.basu.org.in has been maintained for online transmission of information and news of colleges and university. The examinations are being conducted under strict control with CCTV monitoring of examination Halls. Flying squad too monitors the conduct of examination. The outcome of the regular monitoring can be seen from the placement of students

and from their performance (JRF, Awards, etc.) in national level competition (Annexure-2)

6.5.1.3: Board of Studies: *Whether the CC in the Department level and Board of Studies at the College is in place. The composition of the BoS and date of conduct of meetings for last five years and major recommendations made by the BoS should be given in tabular form.*

The university has constituted a The Board of Studies for Fisheries Faculty in accordance with Section 18 of the Act and 2.7 (1)–2.7(2) of the statutes. As per the provisions of the Act and Statutes, the Dean of the college is Chairman of the Board of Studies. All Head of departments, one each of Professor, Associate Professor and Assistant Professor are the nominated members by the Dean. One of the members is also nominated as Secretary of Board of Studies. The Board of Studies serves as a recommending body and develop curricula to meet the degree requirements. Curricula developed is placed before the Academic Council, which is the highest policy making body for academic matters under the provisions of the act. The curricula are periodically revised in view of the developments in different fields of fishery science. The details of important decisions taken by Board of Studies, College of Fisheries, Kishanganj during the last five years is as follows

S.No	Date	Important Decision
1	27.05.2020	Revision of Academic calendar Proposal for certificate course in fisheries Increase in intake capacity and payment seat
2	23.12.2020	Preparation of Academic Regulations for UG in Fisheries
3	23.06.2021	Finalization of academic regulations for undergraduate studies To discuss on READY programme of 7 th Semester of B. F.Sc
4	07.05.2022	Proposal for starting PG programme in CoF Kishanganj Revision of qualification for admission in B.F.Sc

6.5.1.4: Anti-Ragging Monitoring Cell: *In pursuance to the Judgment of the Hon'ble Supreme Court of India dated 08.05.2009 in Civil Appeal No. 887/2009, the University Grants Commission has framed "UGC Regulations on curbing the menace of ragging in higher educational institutions, 2009" which have been notified on 4th July, 2009 in the Gazette of India. Does the College follow this regulation and subsequent guidelines issued in the matter in letter and spirit? Give details.*

In pursuance to the Supreme Court judgments dated- 8.5.2009 and subsequent UGC guidelines, notified by the Gazette notification on 4.7.2009 for higher education institutions to curb the menace of ragging, the College follows the regulations and subsequent guidelines issued on the matter in letter and spirit. The College follows 'Zero-Tolerance' towards the menace of ragging. Much before the beginning of the academic session, anti-ragging action plans are notified. The Student Welfare Officer of the university and Dean of the college are regularly counseled by the anti-ragging mentoring cell and antiragging squad keeps eyes on the students to prevent any such incidence in the campus & hostels. The anti-ragging committee, anti-ragging squad and anti-ragging mentoring cell is constituted as per the order of Supreme Court for proper vigilance and guidance. The faculty are on anti-ragging duty keep special vigil during the day and conduct a daily visit to the hostels. Female faculty members and Girls hostel

warden perform such duties for the Girls hostel during off hours and holidays. Senior students are sensitized about the campaign and are involved in the process of keeping the campus ragging-free. Students are asked to furnish the bond, as prescribed at the time of their admission. For overall monitoring in the institute, an anti-ragging committee-compressing officer of the university, faculty members of the institute, and works under the chairmanship of Dean of the college. The notices pertaining to Anti ragging committee has been notified vide order 86/CoF, Kishanganj dated 09/08/2019 Anti ragging committee. Anti Ragging Squad, Internal Complaint committee and an Anti-Ragging Mentoring Cell are being loaded on website and displayed on notice boards every year. The supporting documents in regards of ragging as per the directive of Supreme Court are enclosed as **Annexure -3**.

6.5.1.5: Biological Waste Disposal Facilities: *Whether wastes (chemical, biological, radioactive, universal, and recyclable) are generated by a variety of research, clinical, service, maintenance, and cleaning operations at the College level? If yes, then mention the disposal mechanism being adopted as per the government guidelines.*

In the college campus, good facilities have been developed for the disposal/recycling of different types of wastes. The sewage generated from administrative block, hostels and residential area are recycled through sewage treatment plant and treated water is used in garden areas. Similarly, for the disposal of biological wastes a separate biological waste disposal plant has been established within the campus. An over view of sewage treatment and biological waste treatment plants is shown in photographs below:



Fig. 5: Biological Waste Disposal and Sewage Treatment Plant

6.5.1.6: Institutional Animal Ethics Committee for Experiment on animal:

Whether the institute/College is following CPCSEA guidelines and constituted an Institutional Animal Ethics Committee (IAEC), get their animals house facilities inspected and get their project cleared by CPCSEA and IAEC before commencing them? The College should make statement that it is adhering all guidelines in the matter.

The animal ethics committee has been constituted in August 2022 and application for Registration was submitted on 4.11.2022 (Annexure-4). Meanwhile, the animal ethics committee constituted by Bihar Veterinary College under BASU, Patna, may be utilized (registration No 1365/GO/Re/S/L/10/CPCSEA vide letter No.F.No.25/89/2010-AWD dated 13.02.2017) for Research and Education purpose on fish and other aquatic animals. Institutional Animal Ethics Committee (IAEC) may approve all the experimentation on fish and other aquatic animals in the college before their commencement.

6.5.1.7: Committee for prevention of sexual harassment of women at work places:

Does the institution is adhering the sexual harassment of women at workplace (Prevention, Prohibition and Redressal Act, 2013) in letter and spirit. Mention the constitution of sexual harassment committees and date of proceedings conducted in last five years in tabular form.

As per the directives of UGC for prevention, prohibition and redressed of sexual harassment of woman employee and student in higher educational institution, a university level Sexual Harassment cell has been constituted (vide O.O. No. 494/AR (Aced.)/ Reg. /BASU, Patna dated-21.03.2020) which also takes care of the matters related to the institute. The institute has also constituted an Internal Complained Committee (ICC). The reported incidence, if any, is marked to this cell which probes appropriately and provides recommendations accordingly (Annexure-5)

6.5.2.: Faculty: *Mention the Faculty position (in both sanctioned and in-position) at the College.*

6.5.2.1 Faculty Strength

The sanctioned faculty strength in College of Fisheries, Kishanganj is 84. The category wise sanctioned faculty posts and vacant positions along with the posts recommended by ICAR to maintain the teaching, research and extension activities in fishery faculty are as below:

S. No	Designation	Sanctioned Posts	Posts Field	Vacant Posts	Posts recommended by ICAR
1	Professor	15	-	15	7
2	Assoc. Professor	27	2	25	11
3	Asstt. Professor	42	32	10	20

6.5.2.2 Faculty Profile (Department-wise)

The department-wise sanctioned and filled in positions of faculty are given below:

Department	Faculty Positions Sanctioned			Faculty Positions Filled (No.)			Total (Filled)
				Regular Faculty			
	Professor	Assoc. Prof.	Asstt. Prof.	Professor	Assoc. Prof.	Asstt. Prof.	
Dean	1	-	-	1	-	-	1
Department of Aquaculture	2	4	6	-	1	6	7
Department of Aquatic Environment & Animal Health Management	3	5	7	-	-	7	7
Department of Fish Genetics & Biotechnology	2	4	6	-	1	3	4
Department of Fish Nutrition Physiology & Biochemistry	2	4	6	-	-	5	5
Department of Fisheries Resource & Post Harvest Management	4	6	11	-	-	7	7
Department of Fisheries Economics, Extension and Statistics	2	4	6	-	-	4	4
Total	15	27	42	-	2	32	34

6.5.2.3 Credential of the Faculty

The regular faculty (34 Asstt Professors) were recruited through direct selection in March 2022. All these positions were filled following UGC/ICAR guidelines regarding educational qualifications. The Credentials of the faculty (department wise) are presented in Table given below.

S. No	Name of Faculty	Designation	Highest Qualification	Related Work Experience (Years)	Honours & Awards	Continuous Documented excellence in teaching or student learning
A	Establishment & Administrative Cell					
1	Dr. V. P. Saini	Dean	Ph.D	30	Life- Time Achievement Award (2021); ICAR Fellowship (2009); Best Teacher award by MPUAT(2007); Appreciation certificate by Board of Management, MPUAT (2010), Member Rajasthan Wetland Authority, Member, RAC (ICAR-MGIIS) Member, RAC (ICAR-CIFRI)	13 Books; >125 research papers
B	Department of Aquaculture					
1	Dr. Abhed Pandey	Assoc. Prof.	PhD	17	1. Senior Scientist Award (2022) 2. Research Excellence	Research Paper – 30 Book

					Award (2021) 3. Best Teacher Award (2019) 4. Excellence in Teaching Award (2018)	Chapter-4 Articles (Magazine) - 7 Manuals- 7 Extension articles- 13
2	Dr. Naresh Raj Keer	Asstt. Prof.	Ph.D.	2.0	Best PG thesis award (GRISAAS 2018), Best oral paper presentation (GRISAAS 2018); Scientist Associate award (GRISAAS 2019); Research excellence award (IIS 2020); Best young scientist award (Conference Mind, 2022); Excellence in research award (GRISAAS-2022), Best oral paper presentation (GRISAAS-2022)	20 Research Papers
3	Dr. Abhiman	Asstt. Prof.	Ph.D	7	Ygg Dr. Asil fellowship Young Scientist award by Asian Fisheries Society Indian Best thesis award by GRISAAS-2022	24 Research Papers
4	Dr. Sangeeta Kumari	Asstt. Prof.	Ph.D	5	Young Women Scientist Award from Kalash Research and Welfare Society in the year 2022.	2 Research paper; 2 Review ;1 Book chapter
5	Mr. Vivek Kumar	Asstt. Prof.	M. Tech	1.5	NL	Research Papers – 4 Technical Articles - 3
6	Mr. Abhishek Kumar	Asstt. Prof.	PG (Aquaculture)	4	1. ICAR-NTS 2. Best Poster Presentation Award- CoF Pantnagar. 3. Best Paper Presentation Award.-ICAR CIFA Bhubaneshwar 4. Honorary Fellowship-SLS SATNA	Research Papers – 08 Book chapter – 01 Technical Articles - 02
7	Dr Uday Kumar	Asstt. Prof.	Ph.D.	2.5	Merit Award- Microscope Image Contest (2022, 2023) Gold Award- Microscope	Research paper - 06

					Image Contest (2021) Travel grant award (2021, 2023) Outstanding poster award (2021) Excellent flash talk (2021) Academic award (2020) Best presentation award (2020) Team Excellence award (2019) ICAR-NTS, ICAR-NET, VLIR-UOS scholarship	
C	Department of Aquatic Animal Health Management					
1	Dr. Sudeshna Sarker	Asstt. Prof.	Ph.D	3.5	SERB International Travel Support (ITS) "FLAVOBACTERIUM 2018, Japan; "Dr. N.R. MENON Award" for the 'Best Indian M.F.Sc Thesis; InSc Young Researcher Award- 2020	10 Research Papers, 1 Book Chapter
2	Mr. Bhartendu Vimal	Asstt. Prof.	M.F.Sc	6.5	NIL	6 Research Papers
3	Ms. Pushpa Kumari	Asstt. Prof.	M.F.Sc	2	Best Article Award" by Aquaculture Times, in 2018 ;Certificate of appreciation for 3rd best paper publication in the journal "Aquaculture	5 Research Papers, 2 Book Chapters
4	Mr. Pankaj Kumar	Asstt. Prof.	M.F.Sc.	7	"Best KVK Scientist award", AETDS, India, 2019	7 Research Papers, 2 Book chapter, 4 Popular articles/ Extension, 1 Leaflet
D	Department of Aquatic Environment Management					
1	Mr. Tapas Paul	Asstt. Prof.	M.F.Sc	2	Dr. Hiralal Chaudhary Gold Medal 2016-18; Dr. C V Kulkarni Gold Medal for Best M.F.Sc. Student Research Award (2018-19); Dr. K K Agarwal Gold medal for Best Poster Presentation (NBFGF), Lucknow; Dr. T. J. Varghese award for the Best Fisheries Graduate of India (PFGF) ;Best Master's Thesis Award-2020 (ISGA-III)	11 Research Papers

					;Best Poster Presentation (COSFAD 2019) ;Best Publication of the Year (Highest Impact Factor) (2019-20) Best Publication of the Year (Highest Impact Factor) (2021-22); Dr. C.V Kulkarni International Travel Award	
2	Mr. Ashutosh Kr. Singh	Asstt. Prof.	M.F.Sc	3	University gold medalist; Best Fisheries Graduate award of India - 2015(PFGF).	5 Research Papers
3	Ms. Madhu Kumari	Asstt. Prof.	M.F.Sc	12	NIL	1 Resaearch Paper
E	Department of Fish Biotechnology					
1	Dr. Mamta Singh	Asstt. Prof.	Ph.D	14	DBT -Bio Care WS Award; Best Oral Presentation Award (GRISAAS 2022); Excellence in Research Award (GRISAAS 2022); Best Oral Presentation Award (SPFCA 2022); Best Poster Presentation Award (SPFCA 2022); Vice-Chancellor's Appreciation Award 2020; Best Oral Presentation Award in Tripura Science Congress 2011	15 Research Papers & 9 Book Chapters
2	Mr. Aman Divakar	Asstt. Prof.	Ph.D.	2	DBT JRF	9 Reserarch Papers Book Chapter-03
F	Department of Fish Genetics & Breeding					
1	Dr. Sachin Onkar Khairnar	Assoc. Prof.	Ph. D	13 Years	- Chinese Government Scholarship for PhD - ICAR-SRF - Best Poster Awards in International/National conference (05) - Young Scientist Award-SVWS, Kanpur - Research Excellence Award-InSc, Bangalore - Best Fisheries Scientist Award-AEDS, Rampur - Young Extension Scientist Award- SFLS, Mangalore - Hononuary Fellow, Society of Life Sciences, Satna (2023) - SLS Recognition Award 2023 from Society of Life Sciences, Satna - Appreciation certificate-	Research-42 Book Chapter -05 Student Guided: 06 MFSc (Major Advisor), 16 MFSc, 01 MTech & 05 PhD (Minor Advisor) Projects handled: (PI/Co-I/Associate Scientist) 04- ICAR,

					best performer in ICAR-winter School, (CIFT, Kochi), • Appreciation Certificate for my work in (CIFA, Bhubaneswar), • Appreciation certificate for organizing Fisheries National level webinar, state level webinar and workshop during COVID-19 pandemic (GADVASU, Ludhiana), • Certificate for Appreciation for Reviewing articles in Aquaculture Research • Certificate of Excellence in reviewing from Annual research and Review in Biology	RKVY, PMMSY & AICRP
2	Ms. Aishwarya Sharma	Asstt. Prof.	M.F.Sc	2	Best poster presentation award, ICAR-DCFR Bhimtal; Best Oral presentation award-GRISAAS-2022 ;Outstanding Thesis Award for quality research work-GRISAAS-2022	5 Research Papers
G Department of Fish Nutrition & Feed Technology						
1	Dr. Sagarika Swain	Asstt. Prof.	Ph.D	4	Gold Medal for holding 1st rank in M.F.Sc ; Best Poster Presentation	10 Research Papers, 3 Book Chapters
2	Mr. Rajesh Kumar	Asstt. Prof.	M.F.Sc	14	ICAR-JRF Scholarship	4 Research Paper
H Department of Physiology & Biochemistry						
1	Dr. Sarvendra Kumar	Asstt. Prof.	Ph.D	6	Young Scientist Award for the Year 2017(Astha Foundation),	24 Research Papers
2	Dr. Showkat Ahmad Dar	Asstt. Prof.	Ph.D	5	Dr. K.V. Devraj Award; Dr. Hiralal Choudhury Gold Medal; National Postdoc fellowship by SERB India; International postdoc fellowship by NRF South Korea; Young Scientist Awards 2020 International Young Scientist Award 2020-Ramanujan fellowship 2022	26 Research Papers
3	Ms. Susmita Rani	Asstt. Prof.	M.F.Sc	2	Best M. F. Sc thesis award (GRISAAS-2022)	4 Research Papers
I Department of Fish Processing Technology						
1	Dr. Abhishek Thakur	Asstt. Prof.	Ph.D	7	Best Fisheries Graduate of India (PFGF-2010)	4 Research Papers

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2	Dr. Pooja Saklani	Asstt. Prof.	Ph.D	2	NIL	2 Research Papers, 3 Review Articles
3	Dr. Parmanand Prabhakar	Asstt. Prof.	Ph.D	7	RGNF (UGC) to pursue Doctoral Degree Programme (2014-17); Best paper presentation award during [AMI-2017]	4 Research Papers, 1 Book Chapter
4	Dr. Md. Aman Hassan	Asstt. Prof.	Doctor of Philosophy	4 Years	Maulana Azad National Fellowship from UGC	Research paper 9 Popular article 2
J	Department of Fisheries Economics & Statistics					
1	Ms. Tenji Pem Bhutia	Asstt. Prof.	M.F.Sc	2	Dr. Rameshwar Singh Best Oration Award 2022; Best Oral Presentation Award in SFCAF 2022; Smt. Manju Biswas & K. P. Biswas Gold Medal ; Best Oral Presentation Award in ISAFE	5 Research Papers; 1 Book Chapter
2	Mr. Ravi Shankar Kr.	Asstt. Prof.	M.F.Sc	6	NIL	7 Research Papers
3	Ms Saba Nabi	Asstt. Prof.	M.F.Sc	1	Dr Hiralal Chaudhuri Gold Medal Shri M A Upare Gold medal	Research Articles: 3 Project Report: 1 Book Chapter: 1
K	Department of Fisheries Extension					
1	Dr. Narendra Kr Verma	Asstt. Prof.	Ph.D	6	Vice-Chancellor's (BASU-2021) Appreciation Award; Young Scientist Award (GRISAAS 2022); Best Oral Presentation (GRISAAS 2022); Award, Excellence in Research Award (DISHA2017); Scientist Associate Award ((GRISAAS 2017)	9 Research Papers, 2 Book Chapters
L	Department of Fisheries Resources Management					
1	Dr. Rupam Samanta	Asstt. Prof.	Ph.D	4	NIL	8 Research Papers
2	Mr. Gyan Chandra	Asstt. Prof.	M.F.Sc	12	Yong Scientist Award – (PAAS-2020); COFAA Educational Award-2006; Bioeconomy scholarship at the University of Warmia & Mazury in Olsztyn, Poland.	13 Research Papers
3	Ms. Anjali	Asstt.	M.F.Sc	2	Best Thesis award for	5 Research

	Pushp	Prof.			M.F.Sc in year 2022	Papers
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6.5.2.4: Technical and Supporting Staff: *Whether the College has appointed (in place) sufficient technical/laboratory/farm staff to cater the need of practical and field experiments. Mention department wise distribution of technical, supporting and field staff in the tabular form.*

The college has technical and supporting staff for catering the needs of office work and practical classes. Presently, 04 permanent and 41 outsourced technical and supporting staff are working against 185 regular staff sanctioned. The detail bifurcation of present positions of technical and supporting staff in the college is given below:

Present Position of Technical and Supporting Staff

S. No.	Designation	Sanctioned Post(s)	Filled	Total
1.	Asstt. Engineer	1	-	-
2.	Student Welfare Officer	1	-	-
3.	Asstt Librarian	1	-	-
4.	Medical Officer	1	-	-
5.	Assistant Comptroller	1	-	-
6.	PS to Dean	1	-	-
7.	Junior Engineer	1	-	-
8.	Accountant	2	-	-
9.	Multi Task Office Asstt.	24	3#	3
10.	Library Asstt.	1	1*	1
11.	Farm Manager	1	-	-
12.	Hatchery Manager	2	-	-
13.	IT Technician-cum-Web Manager	2	1#	1
14.	Lab Equ. Maintenance Technician	1	-	-
15.	Wet Lab Supervisor	2	1#	1
16.	Cashier	1	-	-
17.	Livestock/Farm/Lab Asstt	24	-	-
18.	Audio Visual Tech. cum Photographer	1	1*	1
19	PTI-cum-Hostel Care Taker	4	-	-
20	Plumber	2	-	-
21	Medical lab Attendant	3	-	-
22	Carpenter	2	-	-
23	Clerk cum Storekeeper	3	1*	1
24	Electrician	3	2#	2
25	Compounder	1	-	-
26	Driver	6	2#	2
27	Lab Attendant	12	5#	5
28	Pump operator	3	-	-
29	Library Attendant	2	1*	1
30	Security Guard	16	9#	9
31	Multi Task Staff	50	25#	25
32	Fisherman	10	3#	3
Grand Total		185	55	55
*Permanent, # Outsourced				

6.5.3: Learning Resources: *Learning resources are texts, videos, software, and other ICT enabled materials that teachers use to assist students to meet the expectations for learning defined by ICAR recommended curricula. Information on the following shall be submitted*

The college of Fisheries has a fully furnished and centrally air-conditioned e-Learning facility. Thirty computers with required software have been provided in e-Learning unit. A language learning software has also been purchased and installed to improve communication skill of the students.

6.5.3.1: College Library : *Mention the information about location of the library, present staff position (in place) and availability of Wi-Fi, sufficient books and other reading materials, periodicals and research journals, internet with sufficient number of computers, seating capacity, employing the latest technology in library sciences, stocking arrangements, collection of volumes on different subjects, latest publications in the fields of relevant subjects, automation and user services through computer, opening hours, subscription of journals of national and international repute, national dailies, magazines etc.*

The College of Fisheries Kishanganj has a fully furnished and air-conditioned library to provide E-Learning, Scientific data processing, Internet browsing, text & reference books, etc. facilities to fisheries students and faculty. Library is Wi-Fi and internet facilities are extended through 50 Mbps leased line in the campus. The library has more than 850 books. It also subscribed a few fisheries and other magazines. The library also provides Xerox facilities on payment basis for copying documents. Photocopier machines are being maintained in library and as well as in the office of the Dean.



Fig. 6: College of Fisheries, Kishanganj Library

6.5.3.2: Lecture Theater, Computer Laboratory & Departmental Laboratories: *Clearly mention about laboratories, instructional farm, workshops, dairy plant, veterinary clinic, hatchery, ponds etc. facilities available in the College with its numbers, space, speciality to conduct practical/hands on training.*

The college has six smart classrooms with interactive boards and internet connections for UG. The teachers are taking classes through smart board. The students are given assignments and present it through power point presentations to make learning process more effective and interactive.



Fig. 7: Undergraduate Classroom, College of Fisheries, Kishanganj

The college is having well-equipped laboratories and infrastructure in all respect. The department wise laboratories are listed below:

List of Laboratories Established in the College

S. No.	Departments	Name of Laboratories/Unit	Unit (Nos)	Area (Feet)
1	Department of Aquaculture	Laboratories	2	22x50
		Staff Room(s)	5	12x17
2	Department of Aquatic Environment & Health Management	Laboratories	4	22x50
		Staff Room(s)	4	12x17
4	Department of Fish Genetics & Biotechnology	Laboratories	2	22x26
		Staff Room(s)	6	12x17
6	Department of Fish Nutrition ,Physiology & Biochemistry	Laboratories	2	22x50
		Staff Room(s)	4	12x17
8	Department of Fisheries Resource Management & Harvest and Post-harvest Technology	Laboratories	5	44x64
		Staff Room(s)	9	12x17
9	Department of Fisheries Economics, Extension and Statistics	Laboratories	2	22x26
		Staff Room(s)	4	12x17
	Common Facilities	Wet lab	1	45x80
		Conference Room	1	22x50
		Central Inst. lab	1	44x64
		Microbiology lab	1	22x50
		Engineering Lab	1	22x26

The major equipment and instruments available in each department are depicted below:

Department Wise List of Major Equipment/Instruments

S. No.	Departments	Major Equipment/ Instruments
1.	Department of Aquaculture	Binocular Microscope-11, Desiccators -2, pH Meter-3, Weighing balance-2, Autoclave -2, Refrigerator (Cellfrost)-1, Deep Freezer-1, Borosil Glassware Dryer-1, Refractometer/Salinometer -3, BOD Incubator-1, Double Distillation Unit-1, Dissolved Oxygen Meter-1, Microscope (CILIKA)-1, Magnetic Stirrer with Hotplate-2, Hot Air Oven-1, Spectrophotometer-1, Vortex Mixture- 2, Water Quality Meter (Photometer)-1, Water Quality Meter (Multiparameter)-1, Non-refrigerated Centrifuge-1
2.	Department of Aquatic Environment & Animal Health Management	High-performance liquid chromatography (HPLC)-1, Atomic absorption spectroscopy (AAS)-1, Spectrophotometer-1, Flame Photometer-1, Hot air oven-1, Refrigerated centrifuge-1, Multi-parameter water analyser-1, Muffle Furnace-1, BOD Incubator-1, Microprocessor controlled Magnetic Stirrers-1, pH meter-1, Water Bath-1, Distillation unit-1, Microscope-2, Deep Freezer (-20 °C)-1, Normal freezer-1 Bio Safety Cabinet-2, Incubator -1, Digital Colony Counter-2, LAB lab Multi sample mixer-1, Lab ware Dryer-1, Microwave Oven-1, Portable Digital Microscope-1, Refractometer (Hand hold)-1, Horizontal Electrophoresis system-1, Vortex Mixer (Miulab Brushless DC Motor Vortex Mixers)-2, Water Bath-1, Binocular Compound Microscope-4, Refrigerator -1, Centrifuge Machine-1, Refrigerated Centrifuge with LCD display-1, Magnetic stirrers-1, SDS Page Vertical Electroscopes Unit-1, Vertical Deep Freezer-1, Tissue Homogenizer-2, Dry Bath-1, Hot Plate-1, Microtome-1, Autoclave-1, Electric Weighing Balance-2, CO2 Incubator-1, Cooling Incubator-1, Ultra Centrifuge Machine-1, Automated Tissue Processor-1, Tissue Float Bath-1, Hot Air Oven-1, Quartz Bi-Distillation unit-1, Spectrophotometer-1, ELISA Reader-1, Probe Sonicator-1
3	Department of Fish Biotechnology	Thermal Cycler-4, Gel documentation System-1, Refrigerated Centrifuge-3, Tabletop centrifuge-1, Real-time PCR Machine-1, Analytic Balance-2, Water Purification system-1, Rocker-1, Gel electrophoresis Unit (Horizontal)-4, Gel electrophoresis Unit (Vertical)-1, Trans-illuminator-2, -20°C Freezer-2, -80°C Deep Freezer-1, 4°C Fridge-1, Three Chamber Waterbath-1, Automated table top Autoclave-1, Stereozoom Microscope-1, Field Microscope-1, Ice Flakers Machine-1, Tissue Homogenizer-1, Micropipette set-4, Microwave Oven-2, Vortex Mixer-3, Biological Incubator-1. Refrigerated Waterbath-1, pH meter-1, Minicentrifuge-2, Magnetic Stirrer-2. Analytical Balance-1, Digital Microscope-1, Magnetic stirrer-1, pH meter-1, Deep Freezer (-20 °C)-2, Freezer (4 °C)-1, Tissue Homogenizer-1, Vortex Mixer-2, Micropipette set-1, Microwave oven-1, UVC Disinfection System-1, Hot Air Oven-2, Non-Refrigerated Centrifuge-1, Water Bath-1
4.	Department of Fish Nutrition Physiology & Biochemistry	Kjeltec unit (Protein Analyzer)-1, Hot Air Oven-2, Soxhlet Apparatus (Fat determination unit)-1, Muffle Furnace-2, Pulverizer (Grinder)-1, Centrifuge (Non refrigerated)-2, Weighing balance -2, Desiccator -2, Vortex mixer-2,

		magnetic stirrer with hot plate – 1, Water bath – 2, Orbital shaking incubator - 1 Spectrophotometer -1, pH meter-2,Vertical electrophoresis - 1,Binocular Microscope -2,Double distillation unit - 1,Weighing balance -2,Refrigerator-1,Vacuum desiccator -1, Elisa Reader-1, Horizontal electrophoresis -1, UV- Trans-illuminator -1, water bath -2, Refrigerated centrifuge-1, hot plate with magnetic stirrer-1, Vertical Laminar-1, Refrigerator (4°C)-1, Refrigerator (-20°C)-1
5.	Department of Fisheries Resource Management & Harvest & Post Harvest Technology	Digital Vernier Caliper-6, Dissecting Microscope-10, Trinocular Microscope-2, Binocular Microscope-10, Portable microscope- 1, BOD Incubator, Analytical balance- 3, -20°C Freezer (horizontal)-1, Refrigerator (4°C)-1, Hand Refractometer-2, Handheld water quality analyzer (Salinometer)-1, GPS-3, Illuminated stand magnifier-1 The Models of Fishing crafts and Gears are available for teaching and practical aspects of fishing gear and crafts technology. A well-managed museum of finfish and shellfish is also established for better practical knowledge of fish taxonomy.Deep Freezer-1, Digital Platform Weighting Balance (50 Kg.)-1,Ice Box-5,Ice Flake Machine-1,Incubator Bacteriological -1,Variable Volume Single Channel-6 ,Refrigerator (420lit)-1,Electronic Weighing Balance (0.1 mg to 2 mg)-2,Bacteriological Incubator -1,Microwave Oven-1,
6.	Department of Fisheries Economics,Extension and Statistics	Well furnished Computer Laboratory (30 units), Television (55")-1, Centre Table- 3, Computer Table-10, Revolving chair- 11 Laptop-1,Printer-1,Display Boards - 8,Motorized Projection Screen-1,Projection Screen-1,Projector-1,Television (55")-1,Public address system with speaker and microphone-1,Integrated fish Farm Model-1,Local fishing traps models-7

A view of some of the laboratories and instruments available in the college for conducting practical classes is shown below:



Fig 8: An Over View of College of Fisheries Kishanganj Laboratories

The College has an instructional farm of 36 acers. One office, one wet lab and three hatchery units (one each of Prawn, catfish and carp) have been developed for practical training of fisheries graduates. Total six ponds of 2.5 ha have been constructed and the construction of eight more ponds are on progress. The fisheries students are being fully exposed in farm management practices at fish farm.



Fig. 9: An Over View of Farm Facilities at College of Fisheries Kishanganj

6.5.3.4: Student READY / In-Plant Training / Internship / Experiential

Learning Programmes: Clearly mention about the implementation of Student READY/ In-plant training/ Internship/ Experiential Learning programmes and learning outcomes as per the guidelines of ICAR. Profit sharing mechanism (amount) shall be mentioned for each ELP unit sanctioned by the ICAR for the college.

The student READY programme is being implemented as per the guidelines of ICAR V Dean's committee recommendations. The motto behind this programme is to reorient IV year students of this college for ensuring and assuring employability and to develop entrepreneurs for emerging knowledge intensive aquaculture by articulating knowledge, skill, ability and experiences.

The Student READY Programme has Five Components:

VII Semester

- Student READY-In-plant attachment
- Student READY- Rural Fisheries Work Experience Programme
- Student READY- Study Tour

VIII Semester

- Student READY Experiential Learning Modules
- Skill Development: These Hands on Training (HoT) programme
- Experiential Learning Programme

Students Projects

During the Student Ready programme under the ICAR V Deans committee guidelines, the College of Fisheries students have performed following activities and work:

Fourth Year (VII Semester) Student READY programme: The students were placed at three KVK's of Bihar Agriculture University Sabour (KVK Bhagalpur, KVK Soupol & KVK Rohtas) for a period of two months for exposure to understand the natural setting of the village situations. After completion of two months village exposure training, the students were attached with Jana Brothers Sea Food Private Ltd Digha West Bengal in 2021-22 for two months where they learn to different post-harvest technology viz. fish processing, product development, packaging and marketing. However, due to lockdown they could not complete two months training and returned after one months. During the visit of Jana Brothers Sea Food Private Ltd Digha West Bengal, students also visited the ICAR Fisheries Institute & ZSI at Kolkata and visited local farmers, fish market boat and net making units. The students also submit a tour report for their visit.

Fourth Year (VIII Semester) Student READY programme: For Student READY programme, the fourth year students are given hands on training for two months to learn regarding fish breeding, seed rearing, fish seed transportation and their production and share fish rearing and farming techniques at College farm. The students of B.F.Sc. IV year were given hands on training for skill development at College of Fisheries. During this training they were trained about fish processing technology and production of value added fish products. The students prepared various ready to eat fish products, battered & breaded products, extruded fish products & methods of bacterial counts techniques, fish packaging techniques and storage technique. After completion of on HoT the students also prepared a report and submitted it in the form of Seminar presentation. They were also examined by a panel of Examiners. These activities are managed and performed in an excellent way as per ICAR norms.



Fig 10: READY Programme: Students Involved in Carp Seed Production Activities



Fig. 11: Hands on Training (Aquarium fabrication, fish processing)

6.5.3.5: Curricula Delivery through IT (Smart classrooms. /interactive board etc.:

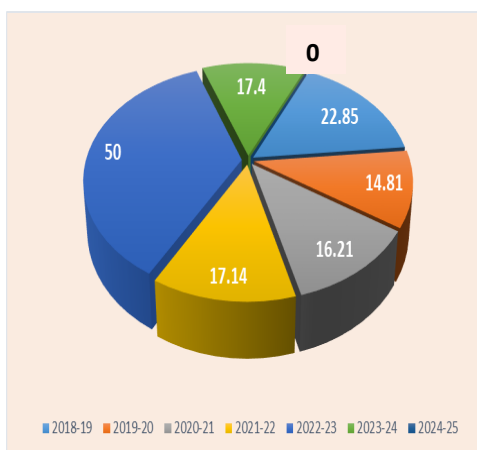
Whether the College is using smart classrooms/interactive board etc. for teaching and practicals. Number of classrooms upgraded as smart classrooms should be mentioned.

The college has three smart classrooms with interactive boards and internet connections for UG. The teachers are taking classes through smart board. The students are given assignments and present it through power point presentations to make learning process more effective and interactive. The e-learning through Wi-Fi server for students have been installed in college campus and hostels. Apart from this, LAN web facility has been already installed so that the students and faculty take the advantage in teaching, research, training and extension activities. The computer lab has 30 computers and provided with free internet facility for learning.

6.5.4: Student Development

6.5.4.1: Student Intake and Attrition: *The information about student intake and attrition, for the College as a whole but separated in UG, PG and PhD categories shall be provided in tabular form for last five years.*

The college currently has one Under Graduate programme in Fisheries Science (i.e. B.F.Sc). The student intake in degree programme is given in table). The average number of admissions in under graduate programme since 2018-19 is 36.57 whereas, the attrition due to change of stream or Dropouts is only 24.59 %. The information regarding student intake & attrition during last seven year is given below:



Academic Session	Students Admitted (No.)		Attrition (%)
	Intake capacity	Admitted	
2018-19	40	35	22.85
2019-20	40	31	14.81
2020-21	40	37	19.99
2021-22	40	35	47.14
2022-23	40	34	50

2023-24	50	46	17.4
2024-25	50	38	0

6.5.4.2: Average Number of Students in Theory and Practical Classes

The theory and practical classes are conducted in single batch for each semester. The average number of students in each class are 25 to 36.

6.5.4.3: Admission Process

Presently, the College is offering under graduate Academic Programmes viz. Bachelor of Fisheries Science(B.F.Sc). The course offered is as per the recommendation of ICAR Vth Dean's Committee. Students in the College are admitted through rank secured in the entrance test conducted at State level by BCECE,Bihar (Bihar Combined Entrance Competitive Examination Board). The yearly academic calendar (semester wise) and lecture schedule for each course is prepared and provided to the students. All information regarding rules, regulation, examination pattern, etc. are also provided to the students at the time of admission. The relevant information is also available online on University website. Every year, Orientation week for the B.F.Sc. First Year students is organized, which include different activities of the college and university etc. The institution strictly follows academic regulations, curricula and syllabi as recommended by ICAR.



Fig.13: Orientation Programme of B.F.Sc 2019 Batch

a) Basis for Admission

Particular of Examination	UG
Qualifying Entrance Examination	The minimum eligibility qualifications for admission to undergraduate programme in fisheries faculty is 10+2 or equivalent with PCB(Physics, Chemistry, Biology)/PCMB (Physics, Chemistry, Mathematics & Biology) / Agriculture from a recognized Indian Board / University
Entrance Examination	BCECEB

The merit lists of selected student are received from BCECEB coordinator & all those students are being registered once they deposit their fees and deposit bank

receipt. Immediately after registration the academic schedule for classes are being displayed and subsequently theory & practical classes started.

Fees Structure

Particulars	Semesters							
	I	II	III	IV	V	VI	VII	VIII
(A) University Fee (Rs.)								
University admission Fee*	1000	--	--	--	--	--	--	--
Registration Fee	250	250	250	250	250	250	250	250
Tuition Fee	2500	2500	2500	2500	2500	2500	2500	2500
Education Tour*	3000	--	--	--	--	--	--	--
Examination Fee	1000	1000	1000	1000	1000	1000	1000	1000
Migration Fee*	500	--	--	--	--	--	--	--
Development Fee*	5000	--	--	--	--	--	--	--
(B) College Fee (Rs.)								
Co-curricular activities Fee	500	500	500	500	500	500	500	500
Medical Fee	250	250	250	250	250	250	250	250
Library Fee	250	250	250	250	250	250	250	250
Identity Card Fee*	200	--	--	--	--	--	--	--
Sports & Games Fee	500	500	500	500	500	500	500	500
Placement and Counseling Fee	100	100	100	100	100	100	100	100
Laboratory Fee	250	250	250	250	250	250	250	250
Caution Money* (Refundable)								
a) Laboratory	1000	--	--	--	--	--	--	--
b) Library	2000	--	--	--	--	--	--	--
c) Hostel	2000	--	--	--	--	--	--	--
(C) Hostel Fee (Rs.)								
Room Rent	500	500	500	500	500	500	500	500
Electricity Charge	1000	1000	1000	1000	1000	1000	1000	1000
Hostel common Room Charge	100	100	100	100	100	100	100	100
Total Fee (Rs.)	21900	7200	7200	7200	7200	7200	7200	7200
*Onetime fee								
Note: 1. Tuition fee will be exempted for EBC and Sc/ST students.								
2. Examination fee will be exempted for SC/ST students.								
3. For final year student, a sum of Rs. 1000/- only be admissible as Alumni ee.								

6.5.4.4: Conduct of Practical and Hands on Training: Mention the brief report on how the practical and hand-on-training is being conducted in different courses to meet the student satisfaction. Write information in one page only.

The practical and Hands on Training are conducted as per the ICAR V Dean's committee recommendations. Practical classes are organized in the various laboratories specific to the course content. Extensive training of students is conducted on practical learning by handling of various equipment's and machineries in the laboratories. The students are taught through live demonstrations on farm, fish landing centers and fish packaging and processing plants. Students also participate in Industrial and field exposure through regular and need based visits, exhibitions and workshops on enhancement of knowledge in food safety regulations and product development. Special lectures of the renowned academicians & industrialists are arranged for the students and faculty in the related course for refining the knowledge and skills.



Fig. 14: Selected Photographs of Field Visit (West Bengal) for Practical Experience

6.5.4.5: Examination and Evaluation Process

As per the guidelines of the ICAR VI Dean's committee, the university has adopted semester system. The students in each semester are assessed through internal (50%) and external (50%) examinations. The courses teachers conduct both Mid-Term theory and End Term practical (considered as internal). However, the End Term theory (external) examinations are conducted by the university. The students are required to secure a minimum of 50% marks including theory and practical as per the regulation. In the final year, once the students are through with their hands on experiential learning / in-plant training, committee constituted by the Dean) evaluates them by conducting viva-voce along with presentation pertaining to in-plant training course. The institute is in strict adherence to examination and evaluation process as proposed by Vth Deans' Committee. The uniform grading system with uniform OGPA requirements for award of degrees at all levels and uniform conversion formulae is being followed for declaration of I, II and III divisions, distinctions etc. as per the university residents' instruction.

6.5.4.6: NCC/NSS Units

The NSS units is working for overall development of students. It is under the control of Student Welfare Officer (SWO) at university level. However, NSS Incharge has been appointed by the Dean for effective management of NSS wing of the college.



Fig 15: Over View of Different NSS activities

6.5.4.7: Language Laboratory: *It is required of any student to have a good command of the language for communication purposes, with clarity and accuracy being vital for effective and efficient communication. What helps one to acquire such proficiency in a language is the process and the method of learning that language. Mention which of this type of Conventional; Lingua Phone, Computer Assisted Language Laboratory and Multimedia Hi-Tech Language Laboratory are being used for language teaching in the college.*

The college has a language laboratory with thirty (30) Consoles for practicing languages by the students. The language software has been procured under NAHEP and is being used for imparting practical training on language skills to students



Fig. 16: Language Laboratory at College of Fisheries Kishanganj

6.5.4.8: Cultural Centre: *It is required of any student to have a good command of the language for communication purposes, with clarity and accuracy being vital for effective and efficient communication. What helps one to acquire such proficiency in a language is the process and the method of learning that language. Mention which of this type of Conventional; Lingua Phone, Computer Assisted Language Laboratory and Multimedia Hi-Tech Language Laboratory are being used for language teaching in the college.*

This college has well established cultural unit having different kinds of traditional and western musical instruments. The Dean has appointed a Cultural Secretary for overall management of the cell. To train the students in Indian & western styles of vocal recitation and instruments, the need based services of Instructor are hired. The literary, cultural and other events are organized time to time in the institute. The faculties along with student representatives organize events on different occasions at institute and university level. The talent search among student's starts from the first year of admission itself and students are groomed by senior students and faculty to represent college and university at various levels. The institute has a Cultural and Literary Society, which has been engaged in organization of various cultural and literary events for overall development of the students. Some of the important events in which students of CoF Kishanganj participated are presented below:



Fig. 17: Showing Different Cultural Activities of CoF Kishanganj Students

6.5.4.9: Personality Development: *Personality development programme is aimed at increasing employability of the students. Whether the college has provisions for inclusion of functional grammar in Standard English, speaking skills, reasoning, group discussions interview skills, personal interviews, quantitative ability, verbal ability, mock tests and some special sessions to promote the personality development in the students.*

The aim of CoF, Kishanganj is to help students in their overall development. Therefore, the students are motivated to take part in cultural and sports activities at college, university level. The college offers a course entailed communication skills to the first semester students of B.F.Sc programme. The course contains functional grammar in Standard English and basics of speaking English. The student also practice the basis of group discussion, interview skills personal interviews and other etiquette in this course. The group counselling sessions as well as personal counseling to the students apart from strong advisory system is provided to the students to cope up with stress and prepare for the real world challenges.



Fig. 18: Photographs of Yoga Camps organized by CoF Kishanganj

6.5.5: Physical Facilities

6.5.5.1: Hostels: *Clearly mention the number of hostels available for the College students for boys and girls, separately with its total capacity, students per room accommodated in each hostel, mess facility, Drinking water, indoor games specially for girls, cleaning of hostel premises, transport facility, emergency medical facility etc.*

The college has two hostels of 100 single seated rooms each (one each for boys & girls). Both the hostels are having common room equipped with LED TV, Table Tennis facility and outdoor volley ball facilities. Both the hostels are also having Wife facilities.



Fig. 19: Girls & Boys Hostels of College of Fisheries, Kishanganj

6.5.5.2: Examination Hall: *Mention the availability of number of examination halls, its capacity etc. for the College.*

The college has one examination hall of 45x65 feet size. The centrally air conditioned examination hall has CCTV monitoring facility and maintains the ideal ambience for conduct of examinations, under strict supervision of Superintendent of examination and overall control of Controller of examinations.



**Fig 20: Students of CoF Kishanganj Appearing for Examination
(Examination Hall)**

6.5.5.3: Sports and Recreation Facilities: *Clearly mention the number of indoor and outdoor sports facilities available for the College students. A brief note on day-to-day management and use of these facilities shall be provided in the report.*

The College campus has good facilities for both indoor and outdoor games.



Fig 21: Sports facilities at CoF Kishanganj (Ground, Indoor sports complex)



Fig. 22: Students Participation in Different Sports Activities

6.5.5.4: Auditorium: Does the college has auditorium? Mention its year of construction, sitting capacity and how frequently being used for the College functions.

An auditorium having 450 seating capacity is available in the campus. This centrally air conditioned auditorium has been fitted with light and sound effect systems.



Fig. 23: Auditorium at CoF Kishanganj

6.5.5.5: Exhibition Hall/Museum: Does the college have the Exhibition Hall/Museum? Mention about its use and special events being conducted in these units.

The college has well-furnished conference room having seating capacity of 60 participants. A video conferencing system is a main attraction of this conference room. This facility is used for faculty meetings and for the virtual meetings. The exhibition hall is under development.



Fig 24: Conference Room

The **Padma Shri Dr. S. Ayyappan Fish Museum** has been developed with an impressive collection of more than 30 types of fishing gears, crafts, and diverse fish specimens. Furthermore, a **pictorial display and photo gallery**, named the **“Mahananda Gallery,”** has been established within the college to showcase the rich fish fauna of the River Mahananda, reflecting the aquatic biodiversity of the region and serving as an important educational and visual resource for students, researchers, and visitors.

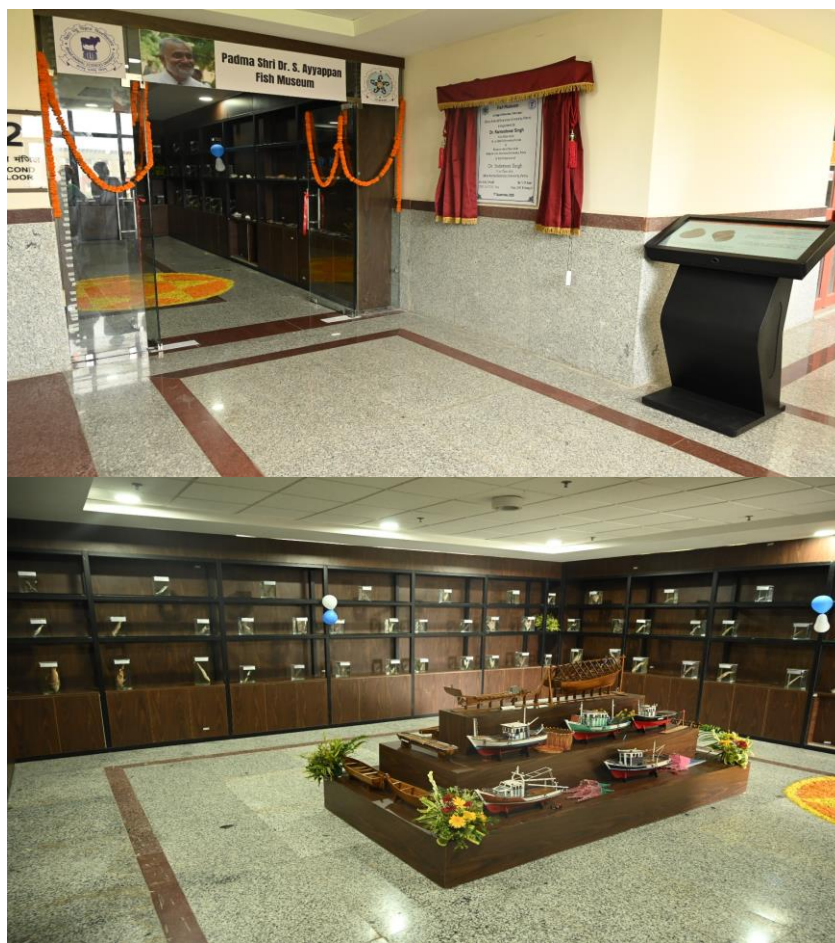


Fig. 25 a : Padma Shri Dr. S. Ayyappan Fish Museum

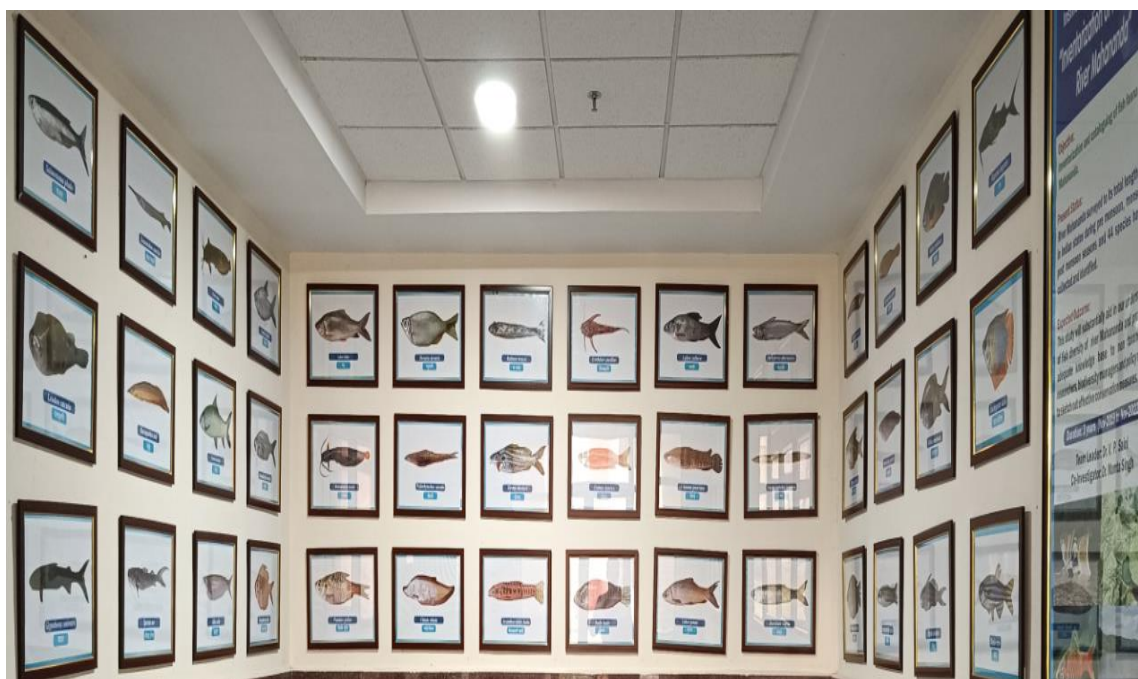


Fig. 25 b : Mahananda fish gallery

6.5.6: Research Facilities: Clearly mention the department wise PG laboratories and equipment housed in individual laboratory in the Colleges along with any other research unit

The College of Fisheries Kishanganj was established in August 2018. Initially this college was started with undergraduate teaching. In future, the research would also be the main activities of this college. In this direction, college has already started working as one each of external (Rs 29.50 lacs) and institutional (Rs 17.72 lacs) funded project have been sanctioned to this college. State of art facilities (Molecular diseases diagnosis lab, feed testing Lab, Soil & Water Testing Lab) under PMMS.Y (Rs1000 lacs) are on progress.

Ongoing research projects

At present there are two research projects (One each external and institutional funded) running in college. The details are as below:

S.No	Title	Funding agency	Year	Budget(Rs in Lacs)
1	Transcriptome Profiling for Identification of Abiotic (Heat) Stress Responsive Genes in <i>Clarias batrachus</i> and <i>Tor putitora</i> :- PI-Dr. Mamta Singh, Co-PI- Dr. V.P. Saini	ICAR- NICRA	2021	29.50
2	Inventorization and documentation of aquatic resources and resource uses of Kishanganj district of Bihar :- PI- Dr. V.P. Saini, Co-PI- Dr. Mamta Singh, Dr. Narendra Kr. Verma, Mr. Ravi Shankar Kumar, Dr. Abhishek Thakur, Mr. Bhartendu Vimal, Dr. Sangeeta Kumari	Institutional Research Project – BASU	2019	17.72
3	Inventorization, cataloguing and development of live gene bank of native ornamental fishes of Seemanchal region of Bihar :-PI- Dr. Rupam Samanta, Co-PI- Dr. Mamta Singh & Mr. Gyan Chandra	Institutional Research Project – BASU	2023	4.4
4	Development of Herbal feed supplement to Achieve Enhanced Production of <i>Clarias magur</i> :- PI- Dr. Sangeeta Kumari, Co-PI- Dr. Naresh Raj Keer & Dr. Showkat Ahmad Dar	Institutional Research Project – BASU	2023	3.0
5	Effect of Wolfia based diet on growth and colour enhancement of gold fish (<i>Carassius auratus</i>) :- PI- Dr. Sagarika Swain, Co-PI- Mr. Rajesh Kumar & Dr. Sarvendra Kumar	Institutional Research Project – BASU	2023	1.5
6	Evaluation of wounds healing ability of <i>Mikania micrantha</i> individually and in combination with <i>Curcuma longa</i> in <i>Clarias magur</i> :- PI- Dr. Naresh Raj Keer, Co-PI- Dr. Abhiman & Dr. Sangeeta Kumari	Institutional Research Project – BASU	2023	3.5
7	Development of genetic lines for appearance traits via artificial selection in <i>Colisa fasciata</i> :- PI- Ms. Aishwarya Sharma, Co-PI- Dr. Abhiman & Dr. M. K. Pathan	Institutional Research Project – BASU	2023	2.5
8	Study on Fish Marketing System: Evidence from Fish Markets of Seemanchal Region Bihar :- PI- Mr. Ravi Shankar Kumar, Co-PI- Ms. Tenji Pem Bhutia	Institutional Research Project – BASU	2023	2.5

9	Study on Occurrence and Risk Assessment of Microplastics in Mahananda River, India :-PI- Mr. Tapas Paul, Co-PI- Mr. Ashutosh Kumar Singh & Dr. D. J. Sarka	Institutional Research Project – BASU	2023	3.0
10	Study on the antiparasitic effect of green synthesized silver nanoparticles against common ectoparasites of goldfish <i>Carassius auratus</i> :- PI-Ms. Pushpa Kumari, Co-PI- Dr. Sudeshna Sarker & Mr. Bhartendu Vimal	Institutional Research Project – BASU	2023	4.5
11	Toxicological effect of iron on Indian major carps and its removal through column filtration unit :- PI-Mr. Ashutosh Kumar Singh, Co-PI- Mr. Tapas Paul & Mrs. Madhu Kumari	Institutional Research Project – BASU	2023	4.5
12	Genetic diversity analysis of different stocks of <i>Labeo rohita</i> (Rohu) of mithila and Seemanchal region of Bihar :-PI- Dr. Mamta Singh, Co-PI- Dr. V.P. Saini & Dr. Rupam Samanta	Institutional Research Project – BASU	2023	4.0
13	Prevalence and existence of pathogenic strain of <i>E. coli</i> in fish from fish market of Simanchal region :- PI- Dr. Abhishek Thakur, Co-PI-Dr. Pooja Saklani & Dr. Anjay	Institutional Research Project – BASU	2023	4.5

6.5.6.1: Post Graduate Laboratories and Equipment: Both the UG & PG laboratories are fully equipped with advance equipments and are functional for student's practicals and research purpose. A detailed list of equipments is given at 6.5.3.2.

6.5.6.2: Research Contingencies: *A note on amount of research contingency for each department shall be provided. Whether it meets the students' demand?*

To meet the research expenses, the university (BASU) is providing sufficient fund from Plan-CoF-CNC budget head. Beside this, the fund for external funded research project (Rs 82.16 lacs) is also available to this college.

6.5.7: Outcomes/Outputs: *Provide detailed information in tabular form about student performance in ARS/and other national examinations/State level examinations or equivalent. Year wise placement profile shall be provided.*

The very first batch of 24 students completed their B.F.Sc degree on 11 August 2022. The students of this batch got placement in different sectors like JEEVIKA, BKBDP or selected for higher studies in national level institutions (i.e. CIFE or Central University). Further, all the 28 students of second batch also got placement in different organizations or selected for higher studies in national level institutions (i.e. CIFE or Central University).

6.5.7.1: Student Performance in National Examinations

The details are as below:	Name of Student	Category	Rank	Category Rank
S.No				
A	I Batch (2018-2022)			
1	Prajwal Kumar	UR	55	55
2	Aman Kr Mishra	EWS	64	8
3	Amarnath Kumar	OBC	75	42
4	Haridarshan Thakur	EWS	80	9
5	Vijendra Kumar	OBC	93	51
6	Khusboo Kumari	OBC	133	71
7	Rahul Kr Verma	EBC	135	72

8	Khusboo Kumar	EWS	141	12
9	Sonu Kr Mishara	EWS	160	14
10	Afsar Alam	EWS	178	16
11	Amratya Raj	OBC	204	10
12	Dolly Kumari	EWS	531	45
II Batch (2019-2023)				
1	Shashank Kumar	EWS	31	3
2	Virendra Kumar	EWS	43	5
3	Arya Kumari	OBC	45	28
4	Barkha Asthana	EWS	46	6
5	Akansha Kumari	OBC	65	39
6	Varttika Priya	EWS	62	8
7	Nidhi Gupta	OBC	83	51
8	Raj Priya	OBC	84	52
9	Shristi Kumari	OBC	98	64
10	Nishant Kumar	OBC	121	78
11	Anjali Kumari	EWS	128	14
12	Deepali Raj	OBC	137	87
13	Prashant Raj	OBC	176	110
14	Shilpee Kumari	EWS	200	24
15	Nutan Kumari	OBC	208	127
16	Awantika Raj	OBC	234	144
17	Roshni Kumari	SC	288	24
19	Srishti Kumari	SC	368	38
III Batch (2020-2024)				
1.	Mr. Avinash Anand	OBC	4	3
2.	Ms. Pragati Pushp	OBC	9	5
3.	Mr. Vikas Kumar	OBC	12	7
4.	Mr. Ankit Bhushan	EWS	20	4
5.	Ms. Kopal	EWS	44	9
6.	Ms. Anisha	OBC	45	26
7.	Ms. Varsha Kumari	SC	51	3
8.	Ms. Sneha Sikha	OBC	55	31
9.	Mr. Govind Kumar	OBC	56	32
10.	Ms. Sweeti Kumari	OBC	70	37
11.	Ms. Sreyashi	EWS	91	11
12.	Ms. Shipra Singh	EWS	101	19
13.	Mr. Rohit Kumar	EWS	125	22
14.	Mr. Manish Kumar	OBC	140	71
15.	Ms. Shipra Singh	EWS	101	19
16.	Mr. Rohit Kumar	EWS	125	22
17.	Mr. Manish Kumar	OBC	140	71
18.	Mr. Amit Kumar	EWS	143	23
19.	Ms. Priya Kumari	SC	175	16
20.	Ms. Sweety Kumari	OBC	195	100
21.	Mr. Ayush Kumar	OBC	240	122
22.	Ms. Amrit Sadhana	OBC	274	144
23.	Ms. Sameera Anand	SC	657	82

6.5.7.2: Students Placement Profile:

The very first batch (2018-2022) from this college pass out on 02.08.2022 & 12 students got placement in JEEVIKA (three students) and Bihar Kosi Basin Development Project (9) of Bihar government. The second batch (2019-2023) of this college pass out on 05.10.2024 and eight students got placement in

JEEVIKA (one students), JAL JEEVIKA (4) and Astittva Welfare Foundation (3). All the remaining students of both the batches joined higher education in different universities. The student wise placement details are as below:

Batch	Name of Student	Placement
I Batch 2018-2022	Shwetank Kumar	Agribusiness Facilitator , BKBDP world Bank funded project , Animal and Fisheries Resources department , Govt. of Bihar
	Sonu Kr. Mishara	
	Afsar Alam	
	Ravi Bala Soni	
	Dolly Kumari	
	Vijay Kumar	
	Khushbu Kumari	
	Raju Kumar	
	Anju Kumari	
	Saloni Singh	
	Prem Chandra	JEEVIKA, Animal and Fisheries Resources department , Govt. of Bihar
	Anwari Fatima	
II Batch 2019-2023	Aryan Kumar Roy	Astittva Welfare Foundation
	Ganit Kr. Kamat	
	Anjali Kumari	
	Shruti Kumari	JEEVIKA, Govt. of Bihar
	Avinash Kumar	JalJeevika
	Nidhi Gupta	
	Ravish Kumar	
	Anjana Prasad	
2 nd B.F.Sc. Batch 2019-23	Mr. Aryan Roy	National Co-operative Exports Limited
3 rd B.F.Sc. Batch 2020-24	Ms. Shalu Kumari	Godrej Agrovet Private Ltd.
	Ms. Sweety Kumari	Bihar Rural Livelihood promotion Society (BRPLS)-JEEVIKA
	Ms. Shivani Saini	
	Ms. Shipra Singh	
	Ms. Shalu Kumari	
1 st M.F.Sc. Batch 2022-24	Mr. Amartya Raj	
	Mr. Rahul Kr. Verma	

6.5.7.3: Awards / Recognitions / Certificates: Provide information on awards/recognitions/certificates in tabular form for last five years separately for students and faculty.

The performance of our students in university, state and national level competitions etc. is presented below:

S.No	Name of Student	Awards / Recognitions / Certificates
1.	College of Fisheries, Kishanganj Students Team	Overall Championship award during the 4 th National Students Convention “CIFESTONE-2023” held at ICAR-Central Institute of Fisheries Education (CIFE), Mumbai from 20-

		22 nd March, 2023.
2.	Ms. Pragati Pushp & Mr. Abhinav Sudhanshu	1st Position in National Innovative Idea Presentation competition in CIFESTONE-2023 at ICAR-CIFE, Mumbai.
3.	Ms. Kopal Karishma	1st position in the National Next-Gen Teaching Competition in CIFESTONE-2023 at ICAR-CIFE, Mumbai.
4.	Ms. Pujjawala Kumari & Ms. Shipra Singh	Selected among the top 100 students from the entire country in Innovative Idea presentation at India International Science Festival-2023 in Bhopal.
5.	Ms. Shreya Jeet Shruti	3rd prize in oral presentation in 3 rd Students Convention at CIFE (2019) Mumbai
6.	Ms. Pragati Pushp & Mr. Manish Kumar	Selected among top 25 entries in National Idea Contest "Lifting LIFE" organized by BOBP-IGO and NFDB, Hyderabad.
7.	Ms. Awantika Raj	2nd Prize in Essay writing by AGRIVISION-2020 II Prize in Slogan writing (2021) by CoF Junagarh Agriculture University
8.	Mr. Prajjwal Kumar	Dr. J R Dhanze Best B.F.Sc student award 2022 by CoF, CAU, Tripura
9.	Mr. Haridarshan Thakur	Best Fisheries Graduate of India-2022 award by PFGF, India
10.	Ms. Sneha Kumari Ms. Anjali Kumari	3rd Prize in National Student Innovation Competition for her topic "Fish Sanitary Napkin" at RASHI CoF Tripura
11.	Ms. Pujjwala Kumari	3rd prize in Healthy Fish Food Recipe competition , at RASHI CoF Tripura
12.	Mr. Vikas Kumar	Prof. H P C Shetty Award for Best Fisheries Graduate of India-2024 by PFGF, India.
13.	Ms. Sreyashi Tanaya	Dr. K V Devaraj Award for Best Fisheries Graduate of India-2024 by PFGF, India.
14.	Ms. Kopal Karishma	Best Poster Presentation Award in 8 th National Youth Convention at IAS, BHU, Varanasi
15.	Ms. Kumari Priya	Mohini Mishra Smirti Scholarship by Jaljeevika, Bihar
16.	Ms. Shilpi Kumari	Mohini Mishra Smirti Scholarship by Jaljeevika, Bihar
17.	Mr. Anand Kumar	Dr. H. P. C. Shetty Gold Medal for 2 nd Prize in IDEATHON Competition (PG Category) in National Seminar on AEMS-2024 at CoF, BASU
18.	Ms. Kumari Priya	Dr. H. P. C. Shetty Gold Medal for 2 nd Prize in IDEATHON Competition (UG Category) in National Seminar on AEMS-2024 at CoF, BASU



Fig 26: Selected Photographs of Prize Winning Students of CoF Kishanganj

6.5.7.4: Employability: *What are the set of achievements such as skills, understandings and personal attributes that make College students more likely to gain employment and be successful in their chosen occupations, which benefits themselves, the workforce, the community and the economy? Provide one page note on the subjects.*

The fisheries students graduated from this college have 100% employability. Majority of our graduates, around 80% are employed by the government sector in the Department of Animal & Fisheries Resources. Rest 20% of graduates, who opt for higher studies find a satisfying career in institutes of highest learning in research and academia (CIFE, & other universities).

6.5.8. SSR of the college must have the SSR of all its degree Programmes (following 6.4) then the report of the colleges shall be considered.

6.5.9. Certificate (Applicable when SSR is submitted for Programmes & College).
I, Dr. V P Saini hereby certify that the information contained in Section 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

New Initiatives

E-Samadhan: An online programme for addressing the issues related to fish farming for the farmers of Bihar was launched by College of Fisheries, Kishanganj on 08.08.2021 by then Hon'ble Minister of Animal and Fisheries Resources, Govt. of Bihar Shri Mukesh Sahni. Under this programme, resource person from college address the problem of fish farmers related to fish farming on 2nd and 4th Saturday of every month through Zoom online meeting platform.



Fig. 27: Launch of E-Samadhan by Hon'ble Minister AFRD, Govt. of Bihar

Extension Activities: The details of the extension programmes and activities undertaken by the College of Fisheries Kishanganj, (BASU, Patna) on various occasions (both on campus and off campus) are given below.

Matsyavani: The availability of literature, especially in a regional language, is a must to disseminate advanced fisheries techniques to the grass root level effectively. To meet this ultimate need of our service area, the college of fisheries started publishing a magazine in Hindi "MATSYAVANI".

Matsya Gram: To show case the technologies at farm site, one village Khanabari of Thakurganj block of Kishanganj district has been adopted as MATSYA GRAM. The basic purpose of this programme is to create awareness among masses through demonstration.

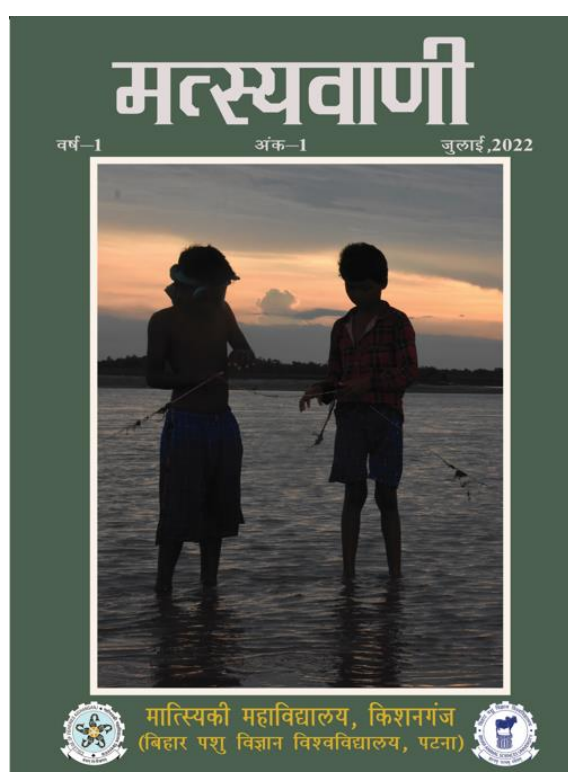


Fig 28: Glimpse of off-Campus Awareness Camp

Training Programmes

The details of training programmes organized by college of Fisheries are as below:

Mode: Online			
Financial Year	Particular	Duration	No. of Training Organised
2020-21	Bihar Fish Entrepreneurship Incubation Training Programme	1 Day	3
2021-22	Online training programme on “Pond Fish Farming”	3 Days	2
	Ornamental Aquaculture Training Programme	3 Days	2
Mode: Offline			
2020-21	Bihar Kosi Besin Development Project (BKBDP)	10	260
Total		10	260
2021-22	Agricultural Technology Management Agency (ATMA), Araria	01	37
	Agricultural Technology Management Agency (ATMA), Katihar	01	33
	Directorate of Fisheries, Govt. of Bihar	05	150
Total		07	220
2022-23	Agricultural Technology Management Agency (ATMA), Katihar	01	35
	Bihar Agriculture Management & Extension Training Institute (BAMETI)	01	35
	Bihar Kosi Besin Development Project (BKBDP)	10	222
	Directorate of Fisheries, Govt. of Bihar	06	166
Total		18	458
2023-24	Directorate of Fisheries, Govt. of Bihar	25	932
	ATMA, Madhepura	01 (Tour)	35
Total		26	967
2024-25	Directorate of Fisheries, Govt. of Bihar	14	360
	PRADAN NGO, Begusarai	02	57
Total		16	417
Total (2020-2025)		77	2322



Fig 29: Glimpse of On-Campus Training Programmes

Kisan Mela: We participated and put up the College stall on the occasions of the following exhibitions, state Agriculture Fairs, Agri-Expo, International Agri-Tech, Bihar and other extension programmes organized from time to time.

College of Fisheries Kishanganj Stall in Different Kisan Mela (s)



College of Fisheries Kishanganj Alumni Association (COFKAA) organized national Conference on “Transforming Rural Poverty to Prosperity through Sustainable Fisheries (TRPSF-2023) & Fish Fair-2023 in collaboration with All India Agricultural Students Association-Fisheries Chapter and National Fisheries Development Board (NFDB) at College of Fisheries, Kishanganj from 19-21st July, 2023. The chief guest of the inaugural function was Dr. J. K. Jena, Hon’ble DDG (Fisheries), ICAR, New Delhi, Guest of honor Dr. Dilip Kumar (Former Director and VC, ICAR-CIFE) and special guest Dr. S. D Singh (Former ADG-Inland Fisheries, ICAR), Dr. Rameshwar Singh, Hon’ble Vice-chancellor, BASU, Patna as president of function. Six technical sessions *viz.* Priming Indian aquaculture for boosting rural economy, Fisheries resource and environment, Biotechnological intervention for improving fisheries production, One health for fish wealth, Fisheries value addition and supply



chain for sustainable consumption and Fisheries science society linkage and rural prosperity were held in three days. Different satellite events on Student Science Village, Women Scientist Oration Award Competition, Young Scientist Conclave, Career Counseling Consortium, Farmer-Scientist Interaction were also organized during the conference. The valedictory function was chaired by Shri Md. Afaqur Alam, Hon'ble minister of Animal and Fisheries resources, Government of Bihar as chief guest, Shri Ijharul Hussain, Member of Legislative Assembly, Bihar as guest of honor, Dr. Dilip Kumar (Former Director and VC, ICAR-CIFE) and Dr. Sanjeev Kumar, Registrar, BASU, Patna were the special guests. The Conference and Fish Fair was attended by 432 delegates including Deans, Directors, Scientists, Professors, researcher, students and farmers from different institution across the country.

Bihar Council of Science & Technology sponsored National Workshop:

Department of Fish Biotechnology, organized a one-day national conference on "*Recent Advancements in Molecular Biology & Biotechnology and its Application*" at the College of Fisheries, Kishanganj on 24th November 2023. The program was inaugurated by Dr. Anantashutosh Diwedi, Managing Director, Heritage Society, Patna followed by a welcome address of Dr. V. P. Saini, Dean, COF and convenor of the Workshop. This workshop was attended by 31 scientists, academicians, research scholars, and PG students from different institutes of the country. Subject experts Dr. J. K. Sundary, Principle Scientist and Head, ICAR-CIFA, Dr. Anirudh Kumar Singh, Associate Professor, SAM Global University, Bhopal, Dr. Vindhya Mohindra, Principle Scientist and Head ICAR-NBFG, Lucknow, Dr. Devendra Jain, Assistant Professor, MPUAT, Udaipur and Dr. Shamim Ahmad, Assistant Professor, BAU, Sabour have delivered the lectures on recent advancements in the field of molecular biology and biotechnology. The program was coordinated by Dr. Mamta Singh, Assistant Professor & Head

of Fish Biotechnology department and organizing secretary of the workshop.



National Seminar on “Advances in Environment Management for Sustainable Fisheries and Livestock Production (AEMS-2024)”

Department of Aquatic Environment Management, College of Fisheries, Kishanganj, BASU during 18-19th Nov, 2024. The Seminar was sponsored by NFDB, DST-SERB, NABARD and different private companies with participation of 300 delegates including scientist, professor, research scholars and students in the field of fisheries and veterinary science. The inaugural ceremony was graced by Dr. Dilip Kumar, Former Director & VC, ICAR-CIFE as Chief Guest, Dr. D. R. Singh, Hon'ble VC, BASU as president, Dr. B. K. Das, Director, ICAR-CIFRI as Guest of Honour and Dr. B. P. Mohanty, Former ADG (Inland Fisheries), ICAR as Special Guest. The conference featured Dr. V R P Sinha Memorial lecture by Dr. Dilip Kumar, Former Director & VC, ICAR-CIFE, Dr. V G Jhingran Memorial Lecture by Dr. B. K. Das, Director, ICAR-CIFRI and Dr. P. V. Dehadrai Memorial Lecture by Dr. Shubhadeep Ghosh, ADG (Marine Fisheries), ICAR. During two days' seminar several distinguished invited delegates delivered their talks on topics covering the themes such as Eco-friendly





sustainable fish and livestock production, biotechnology in aquatic environment, one health for ecosystem wealth, resource management and climate change in fisheries and livestock sector. The valedictory program was graced by Smt. Renu Devi, Hon'ble Minister, Animal and Fisheries Resources Dept. Govt. of Bihar as Chief Guest along with Dr. Veer Singh, DRI and Dean, PGS, BASU as president, Dr. Shubhadeep Ghosh, ADG (Marine Fisheries), ICAR, New Delhi as Guest of Honour, Dr. P.K. Pandey, Director, ICAR-DCFR as Special Guest. Dr. V. P. Saini, Dean, CoF, Kishanganj & Chairperson, AEMS, Dr. Chandrahas, Dean, CoVAS, Kishanganj & Co-Chairperson, Mr. Tapas Paul, Asst. Prof. & Head, Dept. of AEM, CoF & Convener, AEMS, Mr. Ashutosh Kumar Singh, Asst. Prof, Dept. of AEM, CoF & Organizing Secretary and Dr. Abhishek Thakur, Asst. Prof. & Head, Dept. of FPT, CoF & Co-Convener, AEMS also graced the occasion. During the valedictory function, several national awards were conferred to recognize best researchers and young innovators in the field of fisheries and livestock sector. Dr. V. R. P Sinha Best Master's Thesis Award was conferred to Mr. Ganesh Kumar T, ICAR-CIFE (2022), Ms. Darshana Sharma, CoF, AAU (2023) and Ms. Supriya Rani, CoF, CAU (2024). Best Women Scientist Oration Award was conferred to Ms. Pushpa Kumari, CoF, BASU (Faculty category) and Ms. Rishika M S, CSIR-NIO (Student category). Dr. V.G. Jhingran Best Indian Scientist Awards were conferred to Dr. Kundan Kumar, ICAR-CIFE (2022), Dr. Sanjay Kumar Gupta, ICAR-IIAB (2023) and Dr. Tapas Chakraborty, Kyushu University (2024) in 36-45 years age category. Dr. Janmejy Parhi, CoF, CAU (2022), Dr. Prem Kumar, ICAR-CIFE (2023), Dr. Lopamudra Sahoo, ICAR-RCNER (2024) were conferred Dr. V.G. Jhingran Best Indian Scientist Awards above 45 years age category. In IDEATHON-2024, Prof. H P C Shetty Gold Medal was conferred to Mr. Sourav Debnath & Mr. Bhautik Savaliya, ICAR-CIFE (Ph.D category), Mr. Manish Kumar, CoF, CAU (PG category) and Mr. Sudhanshu Kumar, CoF, RLBCAU (UG category).

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