Model Program Book

SEMESTER INTERNSHIP

Designed & Developed by

ANDHRA PRADESH
STATE COUNCIL OF HIGHER EDUCATION

(A STATUTORY BODY OF GOVERNMENT OF ANDHRA PRADESH)

PROGRAM BOOK FOR

SEMESTER INTERNSHIP

Name of the Student : Balaga. Rambabu

Name of the College : Government Degree College(Men) Srikakulam

Registration Number : 202200104900 6

Period of Internship : **From :** 12/12/22 **To:** 16/03/23

Name & Address of the Intern organization fisheries Development office, Ilisupuram, Srikakulam

Ambedkar **University**

YEAR

An Internship Report on

Fisheries

(Title of the Semester Internship Program)

Submitted in accordance with the requirement for the degree of

Under the Faculty Guideship of

S. Ravibabu Sir

(Name of the Faculty Guide)

Department of

Zoology, Government Degree College (men) SKLM

(Name of the College)

Submitted by:

Balaga . Rambabu

(Name of the Student)

Reg.No: 202200104006

Department of Zoology

Government Degree College (men) SKLM

(Name of the College)

Instructions to Students

Please read the detailed Guidelines on Internship hosted on the website of AP State Council of Higher Education **https://apsche.ap.gov.in**

1. It is mandatory for all the students to complete Semester internship either in V Semester or in VI Semester.
2. Every student should identify the organization for internship in consultation with the College Principal/the authorized person nominated by the Principal.
3. Report to the intern organization as per the schedule given by the College. You must make your own arrangements for transportation to reach the organization.
4. You should maintain punctuality in attending the internship. Daily attendance is compulsory.
5. You are expected to learn about the organization, policies, procedures, and processes by interacting with the people working in the organization and by consulting the supervisor attached to the interns.
6. While you are attending the internship, follow the rules and regulations of the intern organization.
7. While in the intern organization, always wear your College Identity Card.
8. If your College has a prescribed dress as uniform, wear the uniform daily, as you attend to your assigned duties.
9. You will be assigned a Faculty Guide from your College. He/She will be creating a WhatsApp group with your fellow interns. Post your daily activity done and/or any difficulty you encounter during the internship.
10. Identify five or more learning objectives in consultation with your Faculty Guide. These learning objectives can address:
    a. Data and Information you are expected to collect about the organization and/or industry.
    b. Job Skills you are expected to acquire.
    c. Development of professional competencies that lead to future career success.
11. Practice professional communication skills with team members, co-interns, and your supervisor. This includes expressing thoughts and ideas effectively through oral, written, and non-verbal communication, and utilizing listening skills.
12. Be aware of the communication culture in your work environment. Follow up and communicate regularly with your supervisor to provide updates on your progress with work assignments.

13. Never be hesitant to ask questions to make sure you fully understand what you need to do your work and to contribute to the organization.
14. Be regular in filling up your Program Book. It shall be filled up in your own handwriting. Add additional sheets wherever necessary.
15. At the end of internship, you shall be evaluated by your Supervisor of the intern organization.
16. There shall also be evaluation at the end of the internship by the Faculty Guide and the Principal.
17. Do not meddle with the instruments/equipment you work with.
18. Ensure that you do not cause any disturbance to the regular activities of the intern organization.
19. Be cordial but not too intimate with the employees of the intern organization and your fellow interns.
20. You should understand that during the internship programme, you are the ambassador of your College, and your behavior during the internship programme is of utmost importance.
21. If you are involved in any discipline related issues, you will be withdrawn from the internship programme immediately and disciplinary action shall be initiated.
22. Do not forget to keep up your family pride and prestige of your College.

——<<@>>——

Student's Declaration

I, B. Rambabu a student of Internship Program, Reg. No. 2022001049006 of the Department of Zoology, Govt Degree College do hereby declare that I have completed the mandatory internship from 12/12/2022 to 16/3/2023 in fishiry department (Name of the intern organization) under the Faculty Guideship of S. Ravi babu sir (Name of the Faculty Guide), Department of Zoology, Government, Degree College Camp/Srikakulam (Name of the College)

B. Rambabu

(Signature and Date)

Official Certification

This is to certify that R. Rambabu *(Name of the student)* Reg. No.2022001049006 has completed his/her Internship in fisheries department *(Name of the Intern Organization)* on fisheries. *(Title of the Internship)* under my supervision as a part of partial fulfillment of the requirement for the Degree of _____ in the Department of _____ *(Name of the College)*.

This is accepted for evaluation.

Fisheries Development Officer
Dt.....
Srikakulam

(Signatory with Date and Seal)
(K. GANGADHARA RAO)
E.I.D. No: 0104 104
Fisheries Development Officer
Srikakulam Dist

Endorsements

Faculty Guide

Head of the Department

Principal

Government of Andhra pradesh
Department of fisheries

Certificate from Intern Organization

This is to certify that B. Rambabu *(Name of the intern)* Reg. No 2022001049006 of Govt. Degree College *(Name of the College)* underwent internship in Department of fisheries *(Name of the Intern Organization)* from 12/12/2023 to 16/03/2023

The overall performance of the intern during his/her internship is found to be Very Good (Satisfactory/Not Satisfactory).

Fisheries Development Officer
Dt.
Srikakulam

Authorized Signatory with Date and Seal
K. HARA RAO,
E.I.D. No: 0104 164
Fisheries Development Officer
Srikakulam Dist

Acknowledgements

I would like to thank the all those people who helped me in successfully Completion of my mobsallip programme with deped sensor of gratitude. I knowledge. the guiding guidance, positive criticim and encouragemal- positive by Respectable Eno sir. throughout the period of his observation and perparation of the project. I am really indipbid for. Her valid suggestions clokes and help me Collecting the projech.

CHAPTER 1: EXECUTIVE SUMMARY

The internship report shall have a brief executive summary. It shall include five or more Learning Objectives and Outcomes achieved, a brief description of the sector of business and intern organization and summary of all the activities done by the intern during the period.

The sustainable fisheries mangement project will be identify around strengthening fisheries management. The goals of fisheries management is to product biological enmmubal and sustainable benefit from renewable aquatic resources. Research resource conversation food production generation of economic wealth preparation or generation of for fisheries maintain viability of fishing community are main object- -ons mangement do's and posial of fish culture. Selection and stocking of corps, Introduction of some major corps.

CHAPTER 2: OVERVIEW OF THE ORGANIZATION

Suggestive contents

A. Introduction of the Organization
B. Vision, Mission, and Values of the Organization
C. Policy of the Organization, in relation to the intern role
D. Organizational Structure
E. Roles and responsibilities of the employees in which the intern is placed.
F. Performance of the Organization in terms of turnover, profits, market reach and market value.
G. Future Plans of the Organization.

Department of fisheries Srikakulam is located at Ramarajanna street, Bhisipuram, Sklm, provision and the develop ment of fishing and fisheries and it's associated activities including infra structures development marketing export etc. welfare of fishermans and other the main mission values of organisation schemes include pome minister matsya sampada yojana egovt. schemes will above promote socio economic welfare of fishermen's and fish farmers by providing boats, nets, safety kits, fishing boats and lean periods.

CHAPTER 3: INTERNSHIP PART

Description of the Activities/Responsibilities in the Intern Organization during Internship, which shall include - details of working conditions, weekly work schedule, equipment used, and tasks performed. This part could end by reflecting on what kind of skills the intern acquired.

The Sustainable fishery mgt. management project will be identify innovative cost effective mechanisms for strengthening fishery management capacity accord with strategic rules to modernize the role of public sectors their re known learned about the pond management selection & ship fodder given to fish Record maintenance water quantity & pond etc. major constr. on chronic, cattle, goats, marginal and about the rearing and feeding habits and management capacity & records of agriculture, directorate, fishries and & services & their functions acquired, local and foreign visitors of fishes lab equipment of fishery department.

ACTIVITY LOG FOR THE FIRST WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day – 1	pond preparation the opt. size pond is rectangular size.	fish yield in pond comprised by various factors then pond	[signature]
Day - 2	Soil and water the soil type & pond conditions fertility is necessary	of construct pond stability pH salinity pH of water.	[signature]
Day – 3	Aquatic weeds :- They not only take away nutrients but also upset O₂ balance	of ... many ... water body posing to fishes.	[signature]
Day – 4	unwanted fish predation they many be unwanted fish and predator were these	They complete with culture fish for foods nutrients.	[signature]
Day – 5	Liming. Liming should be done to ponds based on variety & ...	Liming materials $(CaCO_3)$ (CaO) (CO_2)	[signature]
Day -6	fertilizers: plays a crucial role in fish culture.	Ammonium phosphate 20 - 30 kg / ha.	[signature]

WEEKLY REPORT

WEEK - 1 (From Dt.12/12/22 to Dt.18/12/22)

Objective of the Activity Done:

Detailed Report:

preparation of pond:- apt site of the pond is rectangular with size varying from 0.1 - 2.0 hectare with depth range from 2.0 to 3.0 mtrs. Fresh water fish especially carp is alluvial soil with neutral pH range below 7.5-8.0 the pH can brought to neutral if the pond soil and water are saline alkaline.

The aquatic weeds in such pond are undesirable they not talk away nutrient but great oxygen belong water by release CO_2 at pond during night.

The unwanted fishes can predatious may be predatory they can be eliminated repeated drying of pond.

The type & dose to be used depend on whether pH if is are recommended the lime / Gang (CaO_3) organic fertilizers such as (cattle) compound fertilizers like ammonium phosphate (16:20:0) can be used as 20-30 kg/ha.

ACTIVITY LOG FOR THE SECOND WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day – 1	selection: male and female fishes are introduce for breeding season	Released egg known as spawn.	
Day - 2	spawn:- (20 - 25 days) is called farm(30-40) advance fry.	fry should shifted to breeding tank.	
Day – 3	stocking:- fingerlings. High amount of diversity culties called stocked fingerlings.	High priority given for this.	
Day – 4	feeding:- General feed should given morning and evening routine.	On 6th day food protein egg feed	
Day – 5	water management:- measures should be taken to ensure adequate water supply. quality.	measures should be adopted to prevation from stress	
Day –6	Cultre. nursery:- advance fry added to nursery.	for good management practices.	

WEEKLY REPORT

WEEK – 2 (From Dt 9/12/22 to Dt 2.6/12/22)

Objective of the Activity Done: Selching and Stocking of

Detailed Report: Crops, selection:- About 15-20 days after the initial manuring selected species of crops are introduced into pond man intensive way.

The survival of fingerlings introduce at particular pond depends very much on their size bigger than size of should have size of 10-15 cm from the temperature pond at same the best time from the pond. will affect the growth of fish. feeds for the crops may be one of 2 types. Natural artificial feeds for the crops may be one of 2 types Natural artificial feeds and prohibiting also the natural growth & feeding on pond come be raised by regular manuring.

Farm water management- all proper depth of water should be maintained thereby can be done either nothing.

ACTIVITY LOG FOR THE THIRD WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day – 1	Introduction of major crops: catla: large and broad head, pro moting.	Rearing (v-column)	[signature]
Day - 2	feed: megalings consume some plankton algae, zoo plankton	Adults feeds mostly on the surface.	[signature]
Day – 3	Rohu:- coloured fish with scale with oppel body.	Rearing (m-column)	[signature]
Day – 4	feed:- zooplankton phyto plankton	Feedable growth bosket selfsin fat growth	[signature]
Day – 5	moorgal:- [illegible] slay formed fish covered with cycloid scalls, [illegible]	Rearing (B-column)	[signature]
Day – 6	feed:- plankton feeder debris found in bottom	bottom feeders	[signature]

WEEKLY REPORT

WEEK – 3 (From Dt.22.12.22 to Dt.03.01.23)

Objective of the Activity Done: Introduction of major Carps

Detailed Report: Catla fish:-

Catla fish is a large and broad head with large protruding lower jaw and upturned mouth. It has large, growth scales on its dorsal side and ventral on its belly. It reaches up 18dcm in length and 3Kg weight. It is a surface and water feeds.

Adults feed on zooplankton and phytoplankton like fish.

Rohu fish was small head, shorter face township is full like, long Circular body covered with scales It has min length of 5m feed is in form of pellet, protein etc mrigal fish:

- feed is bottom based feeds.
- Can small worms, decomposed organic leafs.

ACTIVITY LOG FOR THE FORTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day – 1	Salinometrs Device used to measure salinity in solution	Read out the % of salt solution	
Day - 2	pH meter it measures by dvegem ion activ -by water	Natural: pH=7 Acidic: pH<7 Basic: pH>7	
Day – 3	Nitrate test. Basic colors High nitrate levels in pond	Low nitrate improves health of fish	
Day – 4	Test:- 5 days Organic A/B in water tube and shake it well.	Random pond:- nitrate nearly solution Real world nitrate.	
Day – 5			
Day –6			

WEEKLY REPORT

WEEK – 4 (From Dt.01/01/23 to Dt.07/01/23)

Objective of the Activity Done: Laboratory

Detailed Report: Sabino water :-

Qb is a device used to measure Salinity dis Content of Solution.

Qb is specially calibrated hydrometer to read out : of salt in solution

pH meter :-

A pH meter measures hydrogen ion activity in water based solutions.

Indicators acidity of solution.

Natural Solution : pH = 7

Acidic Solution : pH < 7

Basic Solution : pH > 7

Nitrate test :-

High nitrate kills fish pest indicator build up to fish water low nitrate : Improves health of fish High nitrate. Procure A/B in test tube and Choice is will :- Red / pink - Nitrate reduction

Red / pink :- presence of nitrite.

ACTIVITY LOG FOR THE FIFTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day - 1	selection of shrimp:- sampling is most important selection of juveniles.	points:- stocking shouldn't be check quality of seed.	[signature]
Day - 2	fodder:- fresh fodder with good nutritional volume should be selected and.	points:- fodder should not be fed mixed with fish.	[signature]
Day - 3	water ownership before stock water quality should be test in lab.	points:- without feeding quality shrimp selected	[signature]
Day - 4	Aeration:- Additional aeration must be properly arranged become few shorts.	points:- High density cultivation should not be done without Aeration	[signature]
Day - 5	Health ownership: bio security arrangement should be regularly reviewed	points:- the fence around pond and bird at should not be form	[signature]
Day - 6	Harvest planning should be done based on market demand	points:- not harvest without preparing ... on full moon days.	[signature]

WEEKLY REPORT

WEEK – 5 (From Dt.09/01/23 to Dt.15/01/23)

Objective of the Activity Done: Do's and Don't's in culture.	
Detailed Report: After stress tests, microscopic and pcr tests for shrimps quality seed is selected and stocked.	
Donts:- Shimp fry should not be purchase from hatcheries not licensed by CAA.	
fodder:- fresh fodder unit good nutrient value should be selected.	
Donts:- Do not cheap fodder	
water ownership:- Check standard range of pH should be changed every morning / evening	
Aeration:- Depending on no of aerators should be arranged as a wale.	
Health ownership probiotics trumps instead of Anti biotics prow in check tray should be checked	
Donts:- Some tools used in pond should not used in a there pond.	

ACTIVITY LOG FOR THE SIXTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day – 1	Complete fish farming Culture is taken up from the process of spawning to full size	farms have hatching tanks hatcheries nursery being production ponds.	
Day – 2	Well stocked fish farming culturing one stage fish in life cycle of	ponds are ornamental only for production of spawn seed full size fish.	
Day – 3	Extensive fish farming fish depend upon the natural feed for growth.	productivity is directly proportional to available nobel feel.	
Day – 4	Intensive fish farming fishes are provided with artificial feed.	Achieving maximum productivity by providing artificial feeds.	
Day – 5	Monoculture most common method of fish culture	Artificial Constructed ponds where fish there and shell fish are stated	
Day – 6	Semi natural fish farming with natural and artificial feed supplied fish	It requires inputs of fertilizers and supplementary feeding.	

WEEKLY REPORT

WEEK – 6 (From Dt 19/01/23 to Dt 25/01/23)

Objective of the Activity Done: Different type of fish farming techniques. Besides traditional ways fish is cultivated in artificial ponds to meet natural and cultured demand by regulating nutritional needs. growth and breeding efforts are made to achieve high productivity

Detailed Report: Complete fish farming culture is taken of afforming minimum site Culture Centers will have breeding tanks, Hatcheries, nursery ponds, rearing ponds production, ponds etc. Restricted fish farming ponds any one of the stage in the life cycle of fish in the ponds Concerned with high yield. Extensive and intensive farming techniques are fish depends on natural feed and artificial feed for growth and survival respectively Achieved by use of both nutritional and supplementary feeding.

ACTIVITY LOG FOR THE SEVEN WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day – 1	Hatchery tanks:- Conical tanks with an area of 5x40 m3	tanks used for breeding the prodary and lasal development	[signature]
Day - 2	selection and transport of Breeders: prawns measuring about 15-20 cm.	fully Growth and sexually mature breeder prawns are used.	[signature]
Day – 3	prevention from parasitic infection:- By Chemical Bath	Chemical bath & supply of sterilized feed prevents infections.	[signature]
Day – 4	feed. Green algae cells with out parasitic infection are provided	Green algae cells are provided as feed	[signature]
Day – 5	stocking. About 60 adult prawns are stocked for breeding in above tanks.	Ratio of male and female shrimps are 1:1 or 1:2	[signature]
Day -6	Breeding and spawning occurs during night time gathers to bottom.	Mating can be said to have occurred by presence of spermatophores over thylum of	[signature]

WEEKLY REPORT

WEEK – 7 (From Dt.22/01/23 to Dt..02/02/23)

Objective of the Activity Done: mangement of Hatchery

Detailed Report: tanks in prawn production

Construction of hatchery tanks, selection and transport of breeders, feed and preventive measures measures for parasitic infection are discussed in this week as prawn mangement criteria in prawn production

Hatchery tanks are plastic tubs of 0.5 to 1 tonne capacity or cement tubes width cm are of 5×10×5 m³ fully growth and sexually mature breder prawns measuring about 18-20 Cm are selected form the sea water or culture Gabess selected breaders prawns measuring about sealed polythene bage filled with ·1/3 marine water and 2/3 oxygen selected breeders are given chemical bath to prevent parasitic infections & provided with sterilized feed Grean algal cells without the they of the tanks.

ACTIVITY LOG FOR THE EIGTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day – 1	Reservid or hord pond there are Constructed near preaied water source	It is the main pond supplying water to different ponds	[signature]
Day - 2	Hatching ponds: Constructed near the main Cutur pond	fertilized egg develop into tiny stage in these ponds.	[signature]
Day – 3	Nursary ponds:- about 4 to 5 nursary ponds of 15×1.2 size are Constructed	first fry of 3-4 days age is released at these ponds for growthy them	[signature]
Day – 4	Rearing ponds:- are 25×10×1.5 m size 10-12 ponds are Constructed	Fish fry of 30 days are further grown on rearing ponds.	[signature]
Day – 5	production ponds:- These are perminal in nature 91×50 ×3.5 mm size.	Small fishes grown upto maximum size (Catchable size)	[signature]
Day – 6	stocking ponds size 25m×10 m×1.75 m.	fully grown fishes & breeder are stocked till they are disposed	[signature]

WEEKLY REPORT

WEEK – 8 (From Dt.03/02/23 to Dt : Dt.09/02/23)

Objective of the Activity Done: various types of ponds

Detailed Report: fish from nursery for artificial culture should passes the following ponds for keeping up various stage seem development of which each one of it has its own character to be followed strictly to achieve good yield.

Reservoid ponds supply water to different ponds all through the year fertilizer eggs are developed the fry stage in hatching tapas made upto maturation also seed with fry of 3-4 days ago is ordered at nursery ponds for growthy the for 30 days fish ponds of 25x10x 10cm size. there generally stocked high density of 6 months or one year these fishes are released into production ponds up to attaining maximum marketed size the dispersed off for specific purposes.

ACTIVITY LOG FOR THE NINETH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day – 1	Temperature:- fishes are poikilo thermus organisms.	Temperature has influence on growth respiration & reproduction	[signature]
Day - 2	Depth of pond: physo chemical factors changes basing on depth of the pond	from light Compensation levels for algae & resulting growth of produce.	[signature]
Day – 3	Turbidity: Clay, sand & other flowing particles reduce of the transfer water	prevents penetration of light, flood water is highly turbid	[signature]
Day – 4	Light:- penetration of light at into water depends upon and intensity of light.	Aquatic plants & phytoplankton use the present the percentage of light.	[signature]
Day – 5	Water currents:- fishes generally breed only in following water.	Hence waters & water currents formed and the carb increases productivity.	[signature]
Day -6	Strong Conditions:- under pond moves the area of water.	Aquatic plants along the shore able to synthesized food.	[signature]

WEEKLY REPORT

WEEK – 9 (From Dt.10/02/23 to Dt..13/02/23)

Objective of the Activity Done: Influence of physical factors

Detailed Report: in fish ponds.

prime physical factors of the pond having the productivity are temperature, depth of the pond, transparency of water, light and water movements. Temperature has influence over respiration, growth and reproduction of fishes these are poikilothermous organisms whose body temperature changes in accordance with the temperature of the medium raises in temperature reduce the dissolved oxygen content. An ideal pond should change large having on the depth turbid water cording soon of clay particles entangle between the gill filaments causing on stance for reproductivity were small water arrests formed due to free it by due of visibility high dissolved oxygen. aquatic plants due to more light availability of increase guided.

ACTIVITY LOG FOR THE TENTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day – 1	Hydrogen ion Concentration (pH) : it is based on dissolved substance	pH of 6.8 – 9.0 are high productive & prod	
Day - 2	Dissolve oxygen:- Dissolved oxygen is generated from photosynthesis	productivity of pond depends upon availability of oxygen also of oxygen	
Day – 3	Carbondioxide:- it is released by aquatic organisms during respiratory process.	CO_2 required for photosynthesis are controlled by fishes	
Day – 4	Alkalinity: Necessary for growth of organisms	when alkalinity of pond water will be very high	
Day – 5	Hardness of water:- depends upon dissolved calcium and magnesium salts.	Grows better & Growth of prm slow growth less than 6 ppm	
Day – 6	Other Chemicals:- $CaCO_3$ Nitrate, Ammonia Sulphate & phosphate.	$CaCO_3$ necessary for growth of bones Remaining nutrients in keep the Phytoplankton.	

WEEKLY REPORT

WEEK – 10 (From Dt.20/02/23 to Dt.26/02/23)

Objective of the Activity Done: Integrated fish farming

Detailed Report: Technology culturing the fish in association with agriculture or culture of chicks or pigs or prawns is called integrated fish or mixed culture. Fish waste are fertilize the crops and poultry chicks are used as feed by fish individually these farming methods may yield low income but greater farming and economic significance.

prawn can be cultured in ponds primarily meant for crops culture, carps are also predators. There removed from food for prawns. These facilitates additional income of Rs 10,000 per hector. Fish poultry is also a better integrated farming as poultry wastes are used as food for fish cultured simultaneously or alternately canals or ditches are constructed in between the rows & plots.

ACTIVITY LOG FOR THE ELEVENTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day – 1	Integrated fish forming & advantages : culturing fish in association with other agriculture & poultry	Fish wastes fertilise the crop fields suitable waste crops & poultry chick are used by fish	[signature]
Day - 2	Fish:- prawn culture: prawn can be cultured in pond can be meant for crop culture.	excreta & crops forms food for prawns. extra income we can earn	[signature]
Day – 3	Fish. poultry, here poultry farm is constructed over a platform built of bamboo	this facilitates the clarius, which are generally pond by dropping of chicks.	[signature]
Day – 4	Rice - Fish cultured small growing rice varities ADT, ADT, Raja yam are used	Channa, Mrigal Clarius, catla are generally grown along ditches	[signature]
Day – 5	Rotational Rice Fish culture Rice fields are converted to fish culture ponds leaving	Soil become fertile with nutrient fish improve Rice yield	[signature]
Day – 6	Coconut (or) Banana : Fish culture: Canals in between the rows of plants are utilised for fish cultures	it provides continuous water plants & utilizing space and gives additional income.	[signature]

WEEKLY REPORT

WEEK - 11 (From Dt.28/02/23 to Dt.06/03/23)

Objective of the Activity Done: Chemical factors ma fish

Detailed Report: pond Hydrogen Ion Concentration dissolved oxygen Carbondaioxid nutrials, Hardness of water and other minrals of the pond outfuene the growth and productivaty of fish.

pH of 6.5 -9.0 resut in high productivity of the pond Dificiency of water, Iran. A pH of lesthan 6.4 more than 10.8 resut in mortality of the organisms. productivity of pond depends upon the avilability and regeneration of oxygen. Oxygen Content in this pond is increased by using Concentration of Co₂ may result in Causing mass mortality of aquatic organisms.

Nutrients are necessary for growth of organisms micro elements like Copper, nickel, magnesium, Side by Salts formed of Na, K, Mg, Cu, Fe, in the form of Sulphate are necessary.

ACTIVITY LOG FOR THE TWELVETH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day – 1	Integrated fish farming & advantages:- culturing fresh then association with other agriculture & poultry	fish waste fertilise the crop fields while waste from crops & poultry chemical - waste	[signature]
Day - 2	fish:- prawn alive prawn can be allowed in ponds primary unit for crop culture.	en cle of crops forms food for produce extra income weeny	[signature]
Day – 3	fish - poultry: here poultry from is contrated over a fat-orm built of bamboo sheds above pond	these facilitate the direct fertilization of pond by dropping of chicks.	[signature]
Day – 4	Rice - fish cultured smallar ourny - rice varieties ADT6, ADT7, Raja, Amni are used	Channa striata, Clarias Kallabasu generally grown along with Rice.	[signature]
Day – 5	Rational Rice & with culture:- Rice fields are converted to fish culture ponds hatchery.	soft hemon forbal with en brance frith mporday rice yields.	[signature]
Day -6	Coconut pomona:- fish culture canal in between the rows of plants are utilized for fish culture.	al provides conforming water to plants & utilized & space and gives additional income.	[signature]

WEEKLY REPORT

WEEK – 12 (From Dt.02/04/23 to Dt.15/04/23)

Objective of the Activity Done: Bacterial diseases & prophylactic measures.

Detailed Report:

Bacteria viruses, protozoans are common parasitic seam Gambowing the fishes Infections by pathogens Causes retardation of growth & some times death & fin unith leads to less for Cultivators.

Cotten mouth disease furcalons from or tail rot disease, Tuberculosis dropsy. Columnaris are the bacterial diseases of fishs. There symptoms are like wonds on body, blisters over the thoral organs, spoth over the body Involven form rays, & cotteen moulds of mouth & mass Mortality of fishes sometimes seen due to that bacterial diseases, their symptoms very from different bacterial diseases, prophylatic measures, General drugs use to cure the disease are Sulphonamide Sulphadigen, Sulphe Sim.

CHAPTER 5: OUTCOMES DESCRIPTION

Describe the work environment you have experienced *(in terms of people interactions, facilities available and maintenance, clarity of job roles, protocols, procedures, processes, discipline, time management, harmonious relationships, socialization, mutual support and teamwork, motivation, space and ventilation, etc.)*

Good environment very important for learning and doing job (or) any other work. Good environment is always a boost up your interest. A working environment is the setting social features and physical features in which you perform your job. These elements can impact feelings of well being work place elements can collaboration and efficiency and employee satisfaction ship. The office, more comfortable and improving your Communication The work environment input may mood drive, metal environment is good at first way digit through positivity confidence enhance working environment. The office is more a good interaction at dept from moving to writing Ar classes and formed timetable accordingly.

Describe the real time technical skills you have acquired (*in terms of the job-related skills and hands on experience*)

Internship provided valuable personal experience and allow us to link the theories Concepts we have been introduced to throughout our Course. Skills are Some picked up during Course are is.

Real time skills:-

1. Communication
2. Collaboration
3. Time management
4. Critical thinking
5. patience.

Technical skills:-

1. Data Collection
2. Harvest time
3. Data Entry
4. Fish Health
5. Laboratory equipment
6. Fish Culture.

Describe the managerial skills you have acquired (*in terms of planning, leadership, team work, behaviour, workmanship, productive use of time, weekly improvement in competencies, goal setting, decision making, performance analysis, etc.*

- open Communication and mutual Support are a characteristic of good team work Contributes to increased job satisfaction and active management of idea sharing among the people.

- A successful and qualified intern needs to have willing ness to learn.

- Internship are invitation to care. Finding that have the capacity to teach greatly valable lessions for an nations future carrea path.

Every learning opportunity that comes over way familiarize with various as peals of related areas.

- Segregating ourself with other interns to Gard out with other interns and to establish a good work relationship with others.

Describe how you could improve your communication skills (*in terms of improvement in oral communication, written communication, conversational abilities, confidence levels while communicating, anxiety management, understanding others, getting understood by others, extempore speech, ability to articulate the key points, closing the conversation, maintaining niceties and protocols, greeting, thanking and appreciating others, etc.,*)

Think before you speak:-

Always pause before you speak, not saying the 1st thing that comes to mind. Take a moment and pay care attention to what you say and how you say it.

written things down:-

Take a note while you are talking to another person as when you are in meeting in the internship.

Body language matters:-

This is important for face to face meeting and for also video conference make sure that appearance accessible so have open body language keep an eye contact.

maintain - positive attitude:-

your positive attitude. will shine through and other person will know it and help in people will respond positively to you.

Describe how could you could enhance your abilities in group discussions, participation in teams, contribution as a team member, leading a team/activity.

The participation candidates will be assessed in terms of clarity of the thought-expression and eptness of languages.

Importance:- of Interpersonal skills:-

Interpersonal skills reflect ability of individual to Interact with other members of group in a brief situation Emotional maturity and balance promotes good inter personal relation ship.

Importance of presentation skills:-

presentation is an effective way to communicate idea no of people at some skill

Leadership skills:-

Ability to take leadership role and lead, inspire/ carry them along to help them achieve groupers objectives

Analytical skill:-

Ability to analyse and present others to see problems from multiple perspectives without hurting group members.

Describe the technological developments you have observed and relevant to the subject area of training (focus on digital technologies relevant to your job role)

Technological duvelopments includes equipment and practices used for trading harvesting handling processing and distributing of aquatic resources and these produces processing technology help reduce food loss and waste this reducing pressure on fisheries resources and helping sustainable. City of sector, processing of that result in quantity of by products harvesting of aquatic resources and production is done either in wild (or) in controled environments where abis can be made quicks meanings of ground lesion of water, in creasing their survival rate are usual techniques like Genomic and genetic analysis are usual technologies for improving productivity and quality of aquaculture products SNPS have been emerged as genius technology which is help in maintain the equality salinity of water before in culture.

Student Self Evaluation of the Short-Term Internship

Student Name: B. Rambabu **Registration No:** 202200104006

Term of Internship: **From:** 12/12/2022 **To:** 10/03/2023

Date of Evaluation:

Organization Name & Address: fisheries Development office, Tisupuram, Srikakulam

Please rate your performance in the following areas:

Rating Scale: **Letter grade of CGPA calculation to be provided**

1	Oral communication	1	2	3	4	5
2	Written communication	1	2	3	4	5
3	Proactiveness	1	2	3	4	5
4	Interaction ability with community	1	2	3	4	5
5	Positive Attitude	1	2	3	4	5
6	Self-confidence	1	2	3	4	5
7	Ability to learn	1	2	3	4	5
8	Work Plan and organization	1	2	3	4	5
9	Professionalism	1	2	3	4	5
10	Creativity	1	2	3	4	5
11	Quality of work done	1	2	3	4	5
12	Time Management	1	2	3	4	5
13	Understanding the Community	1	2	3	4	5
14	Achievement of Desired Outcomes	1	2	3	4	5
15	OVERALL PERFORMANCE	1	2	3	4	5

B. Rambabu

Date: **Signature of the Student**

Evaluation by the Supervisor of the Intern Organization

Student Name:	B. Rambabu **Registration No:**
Term of Internship:	**From:** 12/12/2022 **To:** 16/03/2023
Date of Evaluation:	
Organization Name & Address:	fisheries development office, Pilupuram Sec
Name & Address of the Supervisor with Mobile Number	K. Gangadhara Rao FDO-Srikakulam 9866089765

Please rate the student's performance in the following areas:

Please note that your evaluation shall be done independent of the Student's self-evaluation

Rating Scale: 1 is lowest and 5 is highest rank

1	Oral communication	1	2	3	4	5
2	Written communication	1	2	3	4	5
3	Proactiveness	1	2	3	4	5
4	Interaction ability with community	1	2	3	4	5
5	Positive Attitude	1	2	3	4	5
6	Self-confidence	1	2	3	4	5
7	Ability to learn	1	2	3	4	5
8	Work Plan and organization	1	2	3	4	5
9	Professionalism	1	2	3	4	5
10	Creativity	1	2	3	4	5
11	Quality of work done	1	2	3	4	5
12	Time Management	1	2	3	4	5
13	Understanding the Community	1	2	3	4	5
14	Achievement of Desired Outcomes	1	2	3	4	5
15	OVERALL PERFORMANCE	1	2	3	4	5

Fisheries Development Officer Srikakulam

Date: 01.....

K. GANGADHARA RAO
E.I.C. Rao
Fisheries Development Officer
Srikakulam Dist

Signature of the Supervisor

Internal & External Evaluation for Semester Internship

Objectives:

- Explore career alternatives prior to graduation.
- To assess interests and abilities in the field of study.
- To develop communication, interpersonal and other critical skills in the future job.
- To acquire additional skills required for the world of work.
- To acquire employment contacts leading directly to a full-time job following graduation from college.

Assessment Model:

- There shall be both internal evaluation and external evaluation
- The Faculty Guide assigned is in-charge of the learning activities of the students and for the comprehensive and continuous assessment of the students.
- The assessment is to be conducted for 200 marks. Internal Evaluation for 50 marks and External Evaluation for 150 marks
- The number of credits assigned is 12. Later the marks shall be converted into grades and grade points to include finally in the SGPA and CGPA.
- The weightings for Internal Evaluation shall be:
    - Activity Log 10 marks
    - Internship Evaluation 30 marks
    - Oral Presentation 10 marks
- The weightings for External Evaluation shall be:
    - Internship Evaluation 100 marks
    - Viva-Voce 50 marks
- The External Evaluation shall be conducted by an Evaluation Committee comprising of the Principal, Faculty Guide, Internal Expert and External Expert nominated by the affiliating University. The Evaluation Committee shall also consider the grading given by the Supervisor of the Intern Organization.
- Activity Log is the record of the day-to-day activities. The Activity Log is assessed on an individual basis, thus allowing for individual members within groups to be assessed this way. The assessment will take into consideration

the individual student's involvement in the assigned work.

- While evaluating the student's Activity Log, the following shall be considered -

  a. The individual student's effort and commitment.

  b. The originality and quality of the work produced by the individual student.

  c. The student's integration and co-operation with the work assigned.

  d. The completeness of the Activity Log.

- The Internship Evaluation shall include the following components and based on Weekly Reports and Outcomes Description

  a. Description of the Work Environment.

  b. Real Time Technical Skills acquired.

  c. Managerial Skills acquired.

  d. Improvement of Communication Skills.

  e. Team Dynamics

  f. Technological Developments recorded.

INTERNAL ASSESSMENT STATEMENT

Name Of the Student: Balaga. Rambabu
Programme of Study:
Year of Study:
Group: BZC (EM)
Register No/H.T. No: 202200104q006
Name of the College: Govt. Degree College (Men) Srikakulam
University: Dr. BR Ambedkar University.

Sl.No	*Evaluation Criterion*	*Maximum Marks*	*Marks Awarded*
1.	Activity Log	10	
2.	Internship Evaluation	30	
3.	Oral Presentation	10	
	GRAND TOTAL	50	

Date:

Signature of the Faculty Guide

EXTERNAL ASSESSMENT STATEMENT

Name Of the Student: Balaga. Rambabu
Programme of Study:
Year of Study: 2022 - 2023
Group: BZC (EM)
Register No/H.T. No: 202200104q006
Name of the College: Govt Degree College (Mens), Srikakulam
University: Dr. BR Ambedkar University.

Sl.No	*Evaluation Criterion*	*Maximum Marks*	*Marks Awarded*
1.	Internship Evaluation	80	75
2.	For the grading giving by the Supervisor of the Intern Organization	20	19
3.	Viva-Voce	50	
	TOTAL	150	
GRAND TOTAL (EXT. 50 M + INT. 100M)		200	

Signature of the Faculty Guide

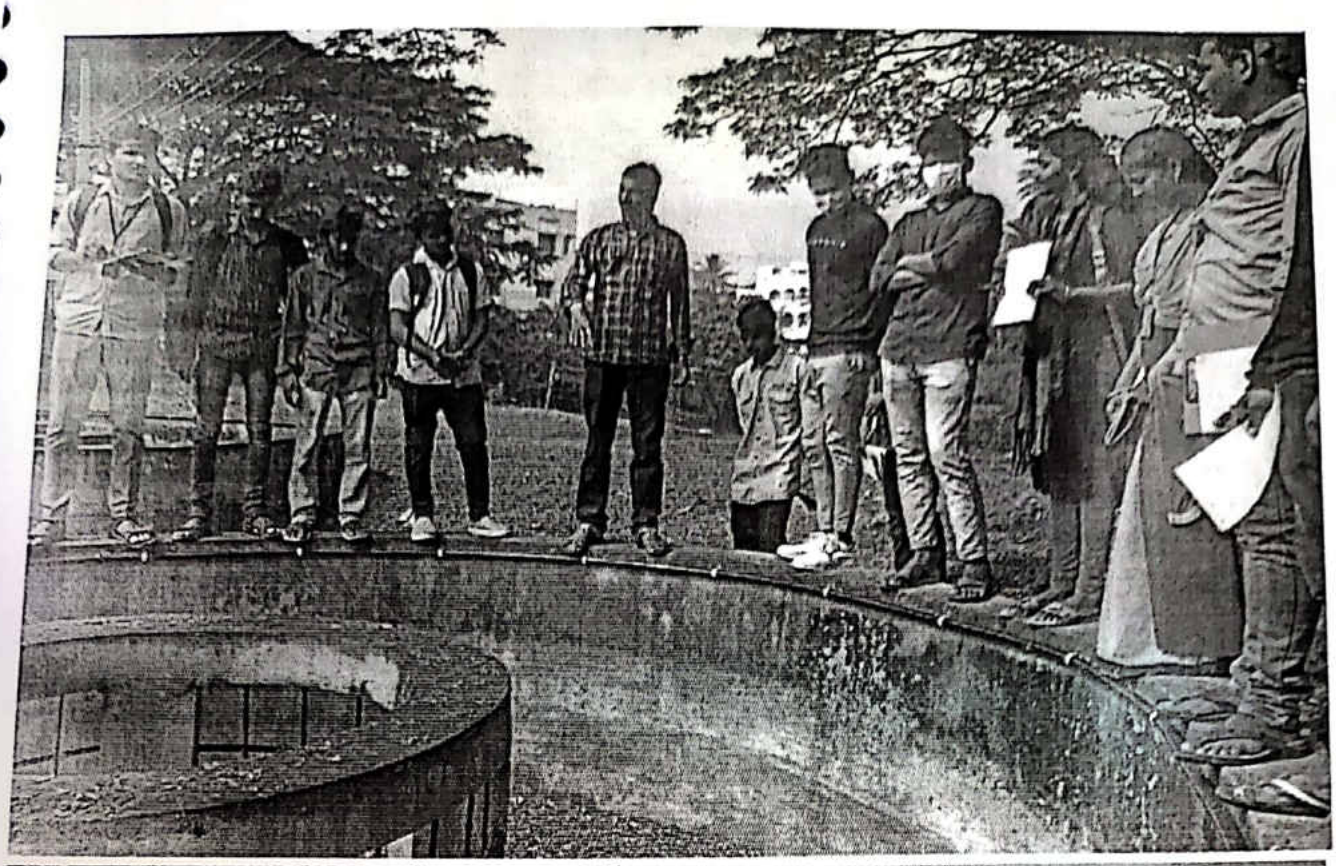
Signature of the Internal Expert

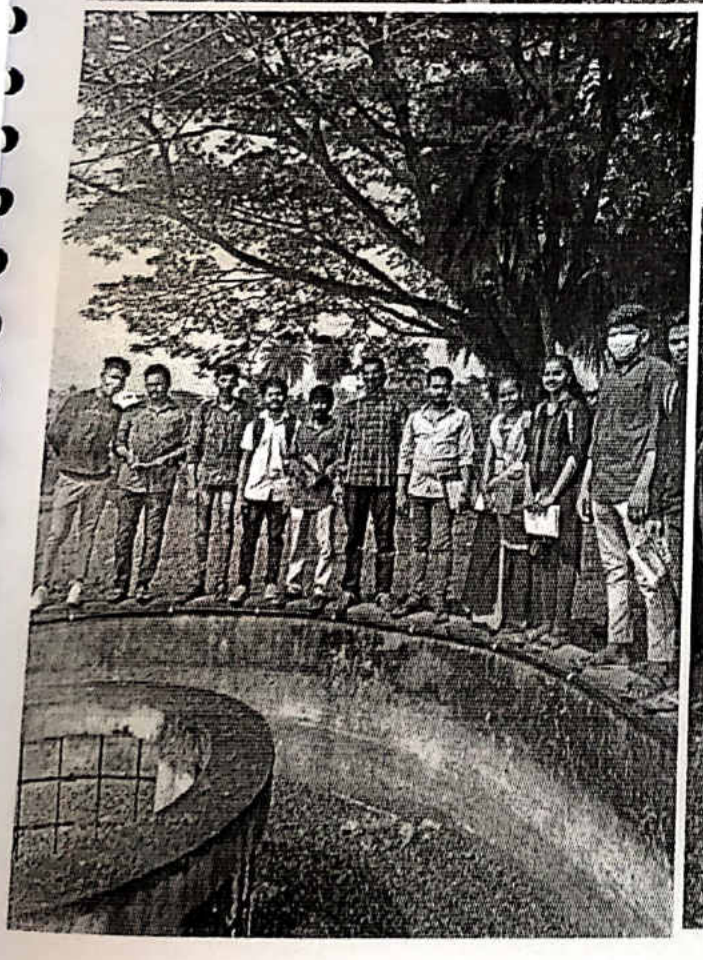
Signature of the External Expert

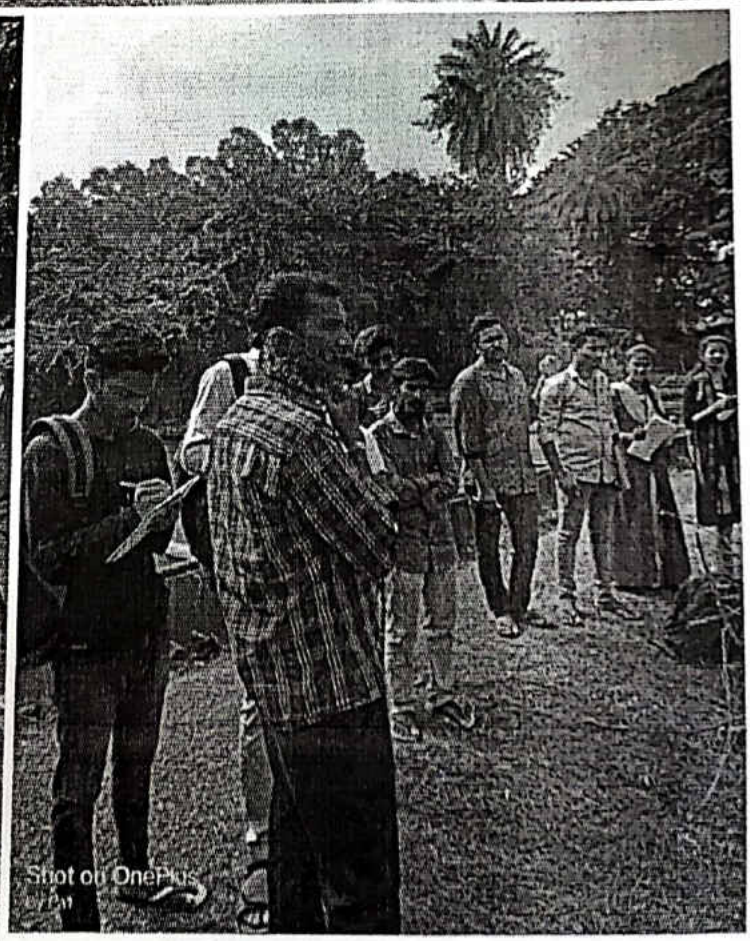
(K. GANGADHARA RAO)
E.I.D. No: 0104104
Fisheries Development Officer
Srikakulam Dist

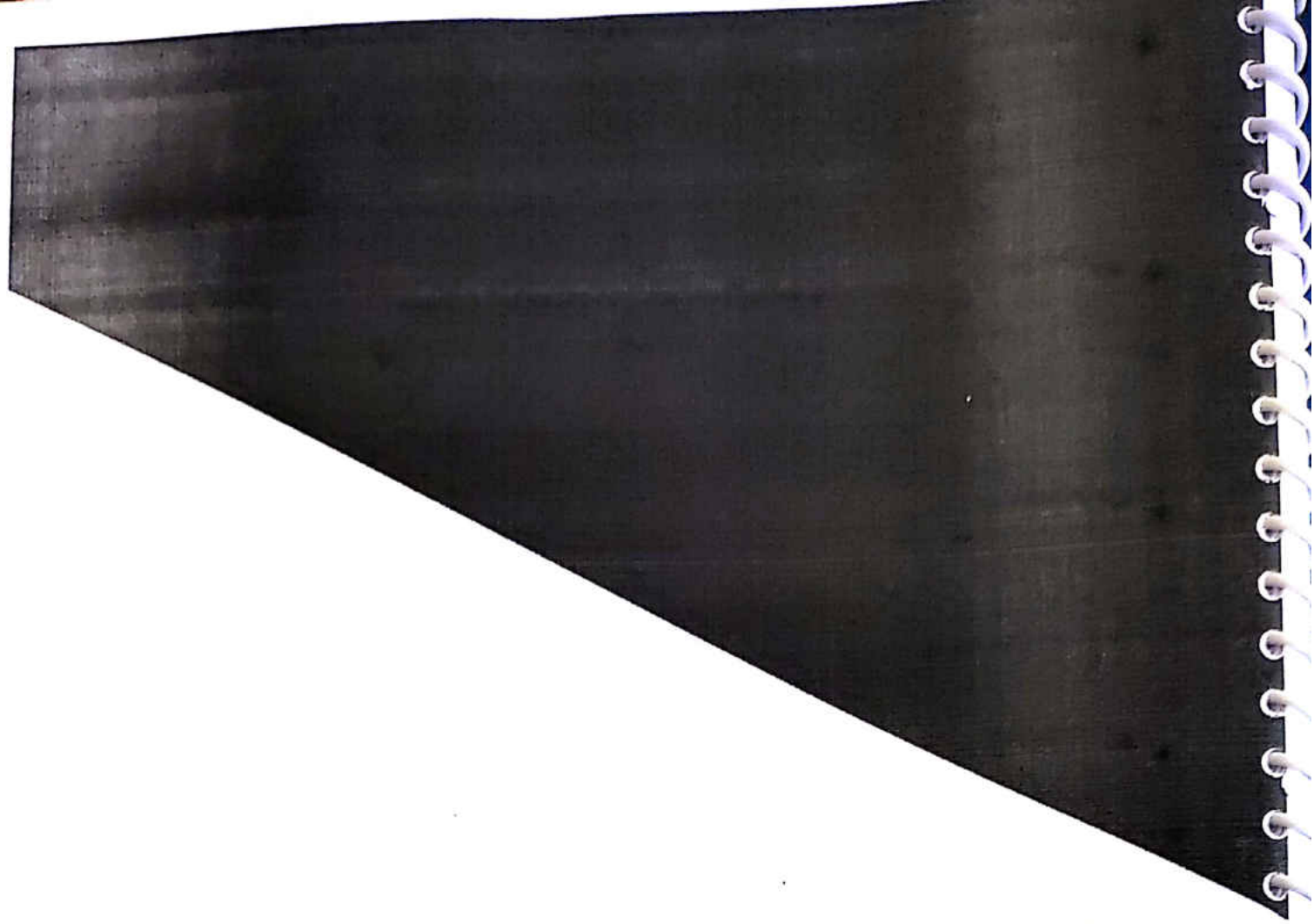
Signature of the Principal with Seal

Fisheries Development Officer * Srikakulam *









ANDHRA PRADESH
STATE COUNCIL OF HIGHER EDUCATION

(A Statuory Body of the Government of Andhra Pradesh)

2nd, 3rd, 4th and 5th floors, Neeladri Towers, Sri Ram Nagar, 6th Battalion Road
Atmakur (V)Mangalagiri (M), Guntur, Andhra Pradesh, Pin - 522 503
www.apsche.ap.gov.in