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: DONKANA GOVINDA RAO

Name of the College: Govt. DEGREE COLLEGE (MEN), SRIKAKULAM

Registration Number: 202200104902 3

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

Name & Address of the Intern Organization :- Fisheries Department office. Ilisipuram, Srikakulam.

DR. BR Ambedhkar University

YEAR

An Internship Report on

FISHERIES

(Title of the Semester Internship Program)

Submitted in accordance with the requirement for the degree of

BSC CBZ programme.

Under the Faculty Guideship of

S. Ravibabu sir

(Name of the Faculty Guide)

Department of

Zoology, Govt. Degree College (mens)

(Name of the College)

Submitted by:

D. Govindarao.

(Name of the Student)

Reg.No: 202200104902 3

Department of Zoology

Govt. 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.

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Student's Declaration

I, D. Govindarao. a student of Internship Program, Reg. No. 2022001049023 of the Department of Zoology, Govt. Degree college. College do hereby declare that I have completed the mandatory internship from 12/12/22 to 16/03/23 in Dept. of fisheries. (Name of the intern organization) under the Faculty Guideship of S. Ravibabu (Name of the Faculty Guide), Department of Zoology, Govt. Degree college (MENS), Sklm. (Name of the College)

(Signature and Date)

Official Certification

This is to certify that D. Govindarao. *(Name of the student)* Reg. No. 202200104 9023 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 CBZ (E.M) in the Department of Govt. Degree college (Men), Skm *(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. 0104104
Fisheries Development Officer
Srikakulam Dist

Endorsements

Faculty Guide

Head of the Department

Principal

Certificate from Intern Organization

This is to certify that D. Govindarao. *(Name of the intern)* Reg. No 202200104902 3 of Govt. Degree college(CMENS) *(Name of the College)* underwent internship in Department of fisheries *(Name of the Intern Organization)* from 12/12/22 to 16/03/23.

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

Fisheries Development Officer
16/3/2023

Authorized Signatory with Designation and Seal
(K. GANGADHARA RAO)
E.I.D. No. 0104104
Fisheries Development Officer
Srikakulam Dist

Acknowledgements

I would like to thank all those people who helped me in successful completion of My internship programme with deepest sense of gratitude. I Acknowledge this inspiring guidence positive critism and encouragement rended by respected FDO Sir through the period of his Investigation and preparation of the project I am really independent for has valid suggestion advice and help in collection of projects.

Contents

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 substainable fisherics management project will be identify innovation for strenthening fisheries management. The goals of fisheries management its proceduce it unstainable biological envinonmental and scio chemical benifits from Renewable aquatic resources. Resources Consideration food production generation of economic wealth generation of reasonable income for fisheries. Maintaing the employment for fisheries, maintain availability of fishing Communities are main objectives of fishes management. Oo's and Don'ts of fish Culture, selection and stocking of carps introduction of more major crops.

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 Kamarajamma street, Ilisipuram, sklm, promotion and the development of fishing and fisheries and its associated activities including infra-structure development marketing. Exports etc. welfare of fishing of fisherman and other fetth fishes folkl and streangthening of their live hood. are the main vision values of Organisation, schemes include prime minister strive promote scio economic welfare of fishes and farmers by providing boats, nets, safety kits, nutrition support to fisherman

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.

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The substainable fishery management project, will be identify, ~~wbi~~ innovative, cost effective mehanisms for streangthening fishery management capacity in account with strategic centers to modernize the role of public sector in this we how learned about the pond management selection of shrimp fodder given to fish Record maintanance water quality the pond etc. major carps include catla, Rohu, Mrigala. and about their Rearing and ~~teaching~~ feeding and management and made capacity. secretoriate of agriculture, live stock, Fisheries and food particularly those functions required. local and foreign technique for testing quality.

WEEKLY REPORT

WEEK – 1 (From Dt. 12/12/22 to Dt. 17/12/22)

Objective of the Activity Done: preparation of pond.

Detailed Report: preparation of pond:- The optimum size of the pond is rectangular with size is varying from 2.0 to 3.0 meters that soil type of pond and is also fertility status for the fresh water fishes especially the carp is alluvial soil with neutral pH ranging b/w 7.5 – 8.0. The pH has brought to Neutral if the pond soil and water Saline alkaline.

The aquatic weeds in fishpond are undesirable to Neutral values but also upset the Oxygen balance in the water by releasing Co2 into pond. during nights.

The unwanted fishes (or) predators may be predatory the can be eliminated throughly repeated netting of pond.

ACTIVITY LOG FOR THE SECOND WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day - 1	selection:- male & female fishes are introduced for breeding season.	Released egg (1-10 days) is known as spawn.	
Day - 2	spawn (20-25 days) is called fry, (30-40 days) advanced fry	Fry should shifted rearing tank.	
Day - 3	stunted finger lige. High amount of density culture is called growth.	High priority is given for this.	
Day - 4	Feeding :- General feed should given at morning and evening routine.	On 6th day food proteins - egg Feed.	
Day - 5	Kaiba Nursery : advance fry is added to kaiba nursary.	For good management practiles.	
Day - 6	water management :- measure should be taken to ensure adequate water & soil qual.	measure should be adopted to prevent Fish from stress diseases	

WEEKLY REPORT

WEEK - 2 (From Dt. 19/12/22 to Dt. 26/12/22)

Objective of the Activity Done: Selecting and stocking of Carps.

Detailed Report: Selecting and stocking of carps. Selection. about 15- 20 days after the initial manuring selected species of crops of. introduced into the when together in the pond in an intensive way.

The survival of fingerlings introduced into particular depends vary much in their size bigger than size it should have size of 10-15 CM.

From the temperature point of view the best time with in optimum range of 20^0-30^0, obivously temperature below 30^oc will affect the growth of fish.

Feed for the carps may be are of two types :- Natural, artifical bee' reeds and probiotics also The Natural growth of feeding in pond can be increased by regular measuring.

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 Carps:- 1) Catla : Large broad head protruding saw.	Rearing upper Column.	
Day - 2	Feed : Finger lings Consume some plankton algae, zoo plankton	Adults Feed mainly on the Surface	
Day - 3	Rohu:- coloured fish with scale onits upper body.	Rearing middle Column.	
Day - 4	Feed :- Eat Zooplankton & phytoplankton.	Feed male growth booster, helps in faster growth.	
Day - 5	mrigal : it is a ray finned Fish, covered with cycloid	Rearing : Bottom Column.	
Day - 6	Feed :- plankton feeders debris found in Bottom.	Bottom feeders.	

WEEKLY REPORT

WEEK – 3 (From Dt. 27/12/22 to Dt. 03/01/23.)

Objective of the Activity Done: Introduction of Major crops.

Detailed Report: Catla fish.

Catla fish is a large broad head, with a large quantity lower jaw & upturned mouth, it has large, grayish scales on its on its dorsal side & whitish on its belly, it reaches upto 182 cm

ACTIVITY LOG FOR THE FORTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day - 1	Salinometer . ovice wed to measure the Salinity in a solution.	Read out the percentage of Sall in Solution	
Day - 2	pH meter :. it measures the hydrogen ion activity in water.	Neutral = PH = 7 Acidic = pH = < 7 Basic = ph = > 7	
Day - 3	Nitrated test : indicats high nitrates levels is in a pond.	low nitrate level. s improved health of Fishes.	
Day - 4	Test : 5 drops of Reagent A and reagent B in a test tube & shake.	Red (or) pink : Nitrate reduction Red or violet presence of Nitrate.	
Day - 5			
Day - 6			

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 factor in section	Don'ts stocking should not be cheking the quality fry.	
Day - 2	Fodder : Fresh fodder with good nutritional value should be selected	Don'ts : Fodders should not be fed without FCR calculation.	
Day - 3	waterowner ship : Before stocking the water quality should be stested in lab.	Don'ts : without testing the quality of shrimp fry should n't release.	
Day - 4	Aeration : Additional aeration must be properly arranged bca few shrimp require a lot of vital.	Don'ts high density cultivation should n't be done with aeriation.	
Day - 5	Healthownership : Bio-security arrangement should be regularly Reviewd.	Don'ts : The fence around the pond and bird yet should n't be don.	
Day - 6	Hed : planning should be done based on market demand.	Don'ts caught without proper planning. Caught on full moon days.	

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 factor in section	Don'ts stocking should not be cheking the quality fry.	
Day - 2	Fodder :- Fresh fodder with good nutritional value should be selected	Don'ts : Fodders' should not befed without FCR calculate	
Day - 3	waterownership : Before stocking the water quality should be started in lab.	Don'ts : without testing the quality of shrimp fry should n't release.	
Day - 4	Aeration : Additional aeration must be properly arranged bcz few shrimp require a lot of vital.	Don'ts high density cultivation should n't be done with aeriation.	
Day - 5	Healthownership : Bio-security arrangement should be regularly Reviewd.	Don'ts : The fence around the pond and bird yet should n't be done.	
Day - 6	Hed : planning should be done based on market demand.	Don'ts caught without proper planning. Caught on full moon days.	

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 & PCR tests for shrimps, quality seed is selected and stocked.

Don'ts shrimps they should not be purchased from hatcheries not licensed by CCA.

Fodder: Fresh with good.

water ownership:- check the standard range Oxygen and pH should be checked every morning and evening.

Don'ts:- in saline ponds, There is no need to added mineral & Every week.

Aeriation:. Depending up on no. of aerators pond should be arranged in 2 circles.

Don'ts Don'ts use poor quality aeriation.

Health ownership:- probiotics used instead of antibiotics prawn in check tray should be checked.

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.	Farms have breading tanks hatcheries, nurseries rearing, productio	
Day - 2	Restricted fish farming. Culturing any one stage in life cycle of fish.	ponds are conc- erned only for production of spawn.	
Day - 3	Extensive Fish farming :- Fish depends the natural Feed for growth.	productivity is directly proportional to available natural feed.	
Day - 4	Intensive Fish Farming :- Fishes are provided with artificial food.	Achieving maximum productivity by provide artificial feed.	
Day - 5	Traditional Fish culture most common method of Fish culture.	artificially con- structed ponds where Fin Fishes as shell Fish.	
Day - 6	Semi- Intensive Fish farming Both natural and artificial feed supplied.	It requires in puts Fertilizers and supplements	

WEEKLY REPORT

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

Objective of the Activity Done: Different types of Fish Farming technique.

Detailed Report: Besides traditional ways, Fish is cultured in artificial ponds to meet internal and external demand. regulating nutritional needs, growth and breeding efforts are made to achieve high productivity

Complete Fish Farming culture is take up from the process of spawing to the stage of obtaining maximum size culture centers will have breeding tanks, hatcheres, nursery ponds, rearing is culturing any one of the stage in the life cycle of fish in the ponds concerned with high yeild.

extensive and intensive Farming technique of Fishculturing where artificially constructed ponds. where aquatic animals such as the finfish and shell Fish are reared. Semi intensive fish farming requires a moderated levels of inputs and fish production is increased by use of Fertilizer 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 tanky:- cement tanky with an area of 5x5 m²	tanky used for breeding the prawns and larval development	
Day - 2	Selection and transport of Breeders :- By Chemical Bath	Fully grown and sexually mature breeder prawn is used	
Day - 3	prevention from parasite prawns measuring 18 - 20cm	Chemical bath - supply of pelleted feed prawn shifting	
Day - 4	Feed :- Green algae tally without parasite in bath - on are provide	Green algae cells are provide day feed	
Day - 5	stocking :- Green water 60 days prawns are shifted for breeding in hatchy tanky	Ratio of male and female Prawns are 1:1 or 1:2	
Day -6	Breeding and spawning :- occurs during night time Light beam down like below	mating can be said to have occured by presence of spur of female	

WEEKLY REPORT

WEEK – 7 (From Dt. 27/01/23 to Dt. 02/02/23)

Objective of the Activity Done: management of hatchery family

Detailed Report: a prawn production :-

construction of hatchery tanks selection and brood stock of breeders fed and preventive measures for parasitic infection are discussed in this week as prime management criteria in prawn production

Hatchery tanks are plastic lined area of 1 tone capacity or cement tanks with an area of 5 x 1.5 m² fully grown and sexually mature male sea water or cube cement polythene bags filled with 1/3 marine water and 2/3 oxygen

Green algal cells without parasitic infection inoculate and prawn sex ratio between male and female prawns is maintained at 1:1 it is to facilitate their family and result large number eggs mating can be said to have occurs by the process spermatophore over the thelycum of the female

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WEEKLY REPORT

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

Objective of the Activity Done: various type ponds

Detailed Report: fish farm necessary for cultivation should process the following ponds for keeping various stage seen in development of a fish each one if has own characters to be followed ponds if own achieve good yield

the fish of 3-4 days is reared into nursery ponds. for growing them for 30days fish ponds of 25x20x1.5 size there are generally stocked in highly density after 6 months or one year stage fishes are introduced into production ponds upto attaining maximum marketing size there the grown stocked in the maximum in size them upto attaining marketing size stage fishes & broods are stocked in stocking ponds till them are disposed off for periodic if the on any fish of need air feed prepared stocked.

ACTIVITY LOG FOR THE EIGTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day - 1	Reservior or head pond are are constructed near perinneal water	It is the main pond supplying water of different ponds	
Day - 2	Hatching pond:- Constructed near the main culture pond	Fertilized Egg drawn into by glass in the ponds	
Day - 3	Nursery ponds:- about 4 to 5 nursery ponds 10 x 15 x 12 size are constructed	High fry of 3-4 days age related into ponds growing for 3 days	
Day - 4	Rearing ponds:- are 25 x 10 x 1.5 m size 10 - 12 ponds are constructed	High fry of 30 days are further grown in rearing pond	
Day - 5	Production ponds:- Most are perennial in nature 9'11 50 x 3.5 size	Small fishes are grown up to marketable size	
Day - 6	Stocking pond Size 25m x 10m x 1.75 m	fully grown fishes & breeder are stocked till their disposed	

WEEKLY REPORT

WEEK – 9 (From Dt..10/02/23 to Dt..17/02/23.)

Objective of the Activity Done: Influence of physical factors in Fish ponds :-

Detailed Report:

prime physical factors of the pond influencing the productivity are temparature depth of the pond transperency of water, light, and water mamnig.

Temparature has influence over respiration growth and reproduction of fishes there are poikilo thermous organisms whose body temprature changes in accordance with temprature of the medium rise in temprature reduce the dissolved oxygen content An ideal pond should have a depth of 3 meters physic - chemical factors changes basing on the depth repiration light of the wave and water current for productivity waves and wind in contribute to the increased productivity due to avid - ability light dissolved oxygen if a pond has turbity there it is use full for growth of grater plants But to more light available it increse yield

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 organism - 2	Temperature has influence on growth Respiration & Reproduction	
Day - 2	Depth of pond :- physi-chemical factors changes basing on depth of the pond	light cannot penetrated to deep resulting in absence of producers	
Day - 3	Turbidity :- clay sand & other floating parties reduce that transparrant water	prevent penetration of light + food water is highly turbid	
Day - 4	Light :- penetration of light into water depends upon intensity of light	Aquatic plants plankton silts prevent the turbidity of light	
Day - 5	water current :- fishes generally breed only in flowing waters	Hence wave & water current formed due to the erik ficker increases productivity	
Day - 6	shore conditions :- a wide pond increase the area of water	Aquatic plants along the shore able to synthesize more food via photosynthesis	

WEEKLY REPORT

WEEK – 10 (From Dt..20/02/23 to Dt...27/02/23.)

Objective of the Activity Done: Chemical factors in a fish pond

Detailed Report: Hydrogen ion concentration dissolved oxygen carbondioxide nutrients, hardness of water and other minerals of the pond influence the growth and productivity of the fish

pH of 6, 8, 9, 0 result in high productivity of the pond efficiency of water rain water, turbid water decrease the pH increase activity the mortality of the organisms productivity of pond depends upon the availability and regeneration of oxygen, content in the pond is increased by using aerators CO_2 is required for photosynthesis but over concentration of CO_2 may result in causing mass mortality of aquatic organisms

nutrients are necessary organisms micro elements Na, K, mg, Ca, Fe, in the from of sulphate phosphate nitrate 15 ppm sulphate & phosphate are necessary for the formation of chlorophyll manganese salt are necessary

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 alkaline (pH) :- it is based on dissolved substances.	pH of 6-8 -9.0 result in high productivity of pond	[signature]
Day - 2	Dissolved oxygen :- Depleted oxygen is regenerated from photosynthesis	productivity of pond depends upon availability oxygen creation of oxygen	[signature]
Day - 3	carbondioxide :- it is released by aquatic organisms during respiratory process	CO_2 required for photosynthesis or over concentration CO_2 kill fishes.	[signature]
Day - 4	nutrients :- neccessary for growth of organisms	when nutrients are plenty yield will be very high	[signature]
Day - 5	hardness of water :- depends upon dissolved calcium and magnesium salts	Grows better at hardness of 15ppm slows growth less than 5ppm	[signature]
Day - 6	other chemicals :- $CaCO_3$ nitrates, ammonia sulphates, phosphates	CaCO$_3$ necessary for growth of living Among nutrients the most phytoplankton	[signature]

ACTIVITY LOG FOR THE ELEVENTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day - 1	Integrated Fish farming & advantages : culture Fish is association with others.	Fish wastages fertilise the crop field while waste,	
Day - 2	Fish prawn culture :- prawn can be cultured in ponds primerly meant for carp culture.	Excreta of carps form food for prawn :- Extra income we can.	
Day - 3	Fish - pollutry : here poultry farm built of bamboo sticks above level of food.	This facilitates the direct fertilizers pond by dropping of chick	
Day - 4	Rice - Fish cultured Simultaneously : Rice varieties ADT6 , ADT7 , Raja	Chana , Straftus clarius , catla are generally grown along with rice.	
Day - 5	Rotational Rice & Fish culture Rice fields are converted Fish culture the ponds after handling.	Soil become fertile with excorts of Fish improves Rice yeild.	
Day - 6	Coconut & Banana : Fish Culture :- canals in b/w the rows of plants are utilised for fish culture.	it provides continu water to plants & utilisation of spac and gloves addition.	

WEEKLY REPORT

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

Objective of the Activity Done: Integrated fish farming technology

Detailed Report: Culturing the fish is association with agriculture (or) ducks (or) chicks (or) pigs (or) prawns is called integrated Fish (or) mixed culture. Fish maws are retilize the crops and poultry & chicks are used as a feed By fish. individually these farming methods may yeild low income but itegrated farming technique yeilds. multiple products of Nutritional value and Economic Significant.

prawn can be cultured in ponds primarly ment for Crap culture. carps are Not predators, Their excreta forms food for prawns. This faciliates additional income of Rs 10,000 per hector. Fish is ~~popularly~~ poultry is also better integreated farming as poultry wastes are used as brood fish.

ACTIVITY LOG FOR THE TWELVETH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day - 1	Cotton mouth disease :- This is causes by infection of fexibacteria.	characteristic growth of white cotton like filaments arounds the mouth.	
Day - 2	Furunculosis : This is a caused by infection of Aeromonas salmonicida.	Bilsters with under water (or) pus are formed .	
Day - 3	Tuberculosis :- This is due to infection by mycobacterium.	diseases is identify finrot, wounds on body.	
Day - 4	Dropsy :- initially it is due to viral infection & Secondary infection.	Bluging of belly due to acculation of yellow colour liquid body.	
Day - 5	Columaris :- This is due to infection of bacteria chondrococcus columnaris.	identify by fromation slops overbody . scales .	
Day - 6	prophylactic measures :- By using antibiotic & probiotics we can prevent infection.	Chemical bath of infected fish & using Antibiotics fishes can be cured.	

WEEKLY REPORT

WEEK – 12 (From Dt. 07/03/23 to Dt. 15/03/23)

Objective of the Activity Done: Bacterial diseases.

Detailed Report: Bacteria, virus, protozoans are common parasite seen harbouring the fishes Infection by pathogens caution. relaxation. of the growth & some times death of which leads to loss for cultivators.

Cotton mouth diseases, furunculosis Fin (or) tail root disease., tuberculosis, Dropsy Columnaris are the various bacterial disease. of fishes. Their symptoms are in the wounds on the body. blisters are over the internal organs.

prophylatic measures :- General drugs used used to cure disease are sulphanilamide sulphadigene, sulphamarizine etc. Infection can be prevented by mixing antibiotics like chlorophenocol, terramycin, erythro-mycin etc. maintaing pure and clean water and drying of pond frequently prevents many diseases. usage of probiotics also enhance immunity of fish.

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 import for learning and doing job (or) any other work. Good environment is always boost up your interest. At Work place is very Supportable. and also setting social features, physical feature in which you perform your job. These elements can important feeling of work are Not Remind. work place relationships, collaboration and efficiency and employed health. The office more contortable and improving your Communication. The work environment impact may mood, drive, mental health and performs My Confident in increased. Overall environment is good at fishery department.

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

Internship provide Valuble personal experiances and allow us to test theories and concepts we have been introduced to throughout our college Carrere skills we have picked up during Cource area is.

① Real time skills.

- Communication
- Collabration.
- Time management
- Gitical thinking
- Patience.

② Technical skills:

- Data collection
- Harvest time
- Data entry
- Fish Health
- Laboratory Equipment
- 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 is mutual support are ⓒ
Chareckrestic of good team work contributes
to increased job statification and active
management of idea sharing among the people.

* f) Succeful and qualified intern needs to have willingness to learn.
* Internships are introduction to carrer feilds that have the capacity to teach really valuable lessons for on interns future carrer path.
* It teaches to the great listners who knows how to take decisions.
* Showing willinges to learn work experience at feild to offer the host Employees.

Every learning opportunities that comes occurs way familitrate ourself with various ayects of realated area.

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 the speak, not staying the 1st thing that comes to mind. take a moment and plays cose attention to what you say and how you say it.

written things down:-

Take a Note while you are talking to another person (or) when you are in a meeting the internship.

Maintain positive Attitude;

Your positive Attitude will shine thorough and Other person positive will it and helps in people will reponse 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 participating candidates will be assesed with in term to clarity of thoughts, expression and apartness to launguage.

Important of Intrenship skills:

* Intrenship skills reflected the ability of individuals to interact with other members of group in a
* breif. situation.

Emotion maturity and balance promotes good.

* Interpersonal inrelationships.
* The person has to be more centric and cass self centered.

Leadership skills:

Ability to take deadership roles and lead, inspired / carry team along the acheiving groups (or) objectives.

Analytical skills:

Ability to analyze and presude others to see problems from multiple perspective 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 developments of includes equipment and practise used for finding, harvesting, handling, processing and distributing of aquatic resources and their products processing technology helps reduce food loss and waste. thus required pressure of fisheries resources and results in quantity of by production. is done either in wild or in controlled environment Estimates can be made quicks, meanings fish spend less time out of water, increasing their survival rate. Technologies like Genomics and genetic materials and analysis are used for technologies aquaculture. which is widely used lab equipment like salino meter, "p" meter helps in maintain the quality, salinicity of waters before introduction of fishes in pond for cultures tests includes the Nitrates test will help the identity Nitrate levels in ponds in culture.

Student Self Evaluation of the Short-Term Internship

Student Name: D. Govindarao. Registration No: 202200104902 3

Term of Internship: From: 12/12/22 To: 16/03/23

Date of Evaluation: 16/03/23

Organization Name & Address: Fisheries Department office, At Ilisipuram, 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**

D. Govindarao.
Signature of the Student

Date:

Evaluation by the Supervisor of the Intern Organization

Student Name: ①.Govindarao . Registration No: 202200104902 3

Term of Internship: From: 12/12/2022 To: 16/03/2023

Date of Evaluation: 16/03/23 .

Organization Name & Address: Fisheries department office, Srikakulam.

Name & Address of the Supervisor with Mobile Number : K. gangadhar Sir, Fisheries Department office supervisor .

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

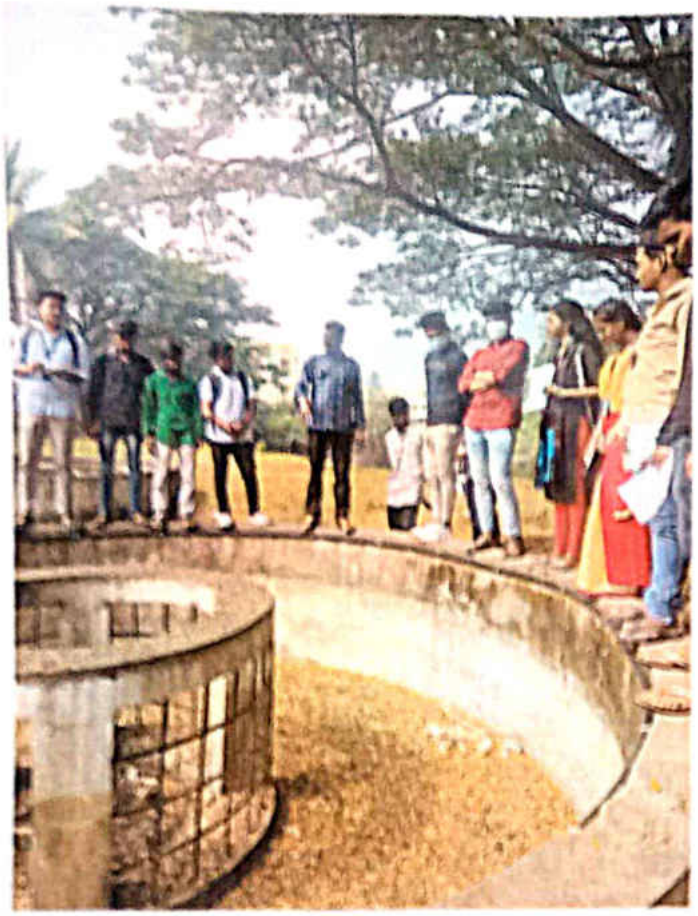
1	Oral communication	1	2	3	4	5
2	Written communication	1	2	3	4	5
3	Proactiveness	1	2	3	4	5
4	Interaction ability with community	1	2	3	4	5
5	Positive Attitude	1	2	3	4	5
6	Self-confidence	1	2	3	4	5
7	Ability to learn	1	2	3	4	5
8	Work Plan and organization	1	2	3	4	5
9	Professionalism	1	2	3	4	5
10	Creativity	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 DL..... Srikakulam

Date:

(K. GANGADHARA RAO)
E.I.D. No: 0104 104
Fisheries Development Officer
Srikakulam Dist

Signature of the Supervisor



EVALUATION

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.

MARKS STATEMENT
(To be used by the Examiners)

INTERNAL ASSESSMENT STATEMENT

Name Of the Student: D. Govindarao.
Programme of Study: Bachelor of Scince.
Year of Study: 2020 - 2023
Group: CBZ (E.M)
Register No/H.T. No: 202200104902 3
Name of the College: Govt. Degree College (MENS), Srikakulam.
University: Dr. B.R. Ambedkhar 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: D.Govindarao.
Programme of Study: Bachelor of scince.
Year of Study: 2022 - 2023
Group: CBZ(E.M)
Register No/H.T. No: 202200104902 3
Name of the College: Govt. Degree college (mens), Srikakulam.
University: Dr. Br. Ambedtkhar 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: P104-104
Fisheries Development Officer
Srikakulam Dist

Signature of the Principal with Seal

ANDHRA PRADESH
STATE COUNCIL OF HIGHER EDUCATION

(A Statuory Body of the Government of Andhra Pradesh)

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