

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: Ch. Ramakanthacharyulu

Name of the College: Govt Degree College (men) SKLM

Registration Number: 2022001049018

Period of Internship: 12/12/22 From: To: 16/3/23

Name & Address of the Intern Organization Fisheries Development office,
ITI Supuram, Sankataram

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 Ravi babu sir

(Name of the Faculty Guide)

Department of

ZOOLOGY, Govt. Degree College (men), SKLM

(Name of the College)

Submitted by:

Ch. Ramakanth a charyulu

(Name of the Student)

Reg.No: 2022001049018

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://apche.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 whenever 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 disturbances 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, Ch Ramakanthacharyulu a student of III BSc EM
Program, Reg. No. 20220004906 of the Department of Zoology
College do hereby declare that I have completed the mandatory internship
from 12/12/2022 to 16/03/2023 in Fisheries Department (Name of
the intern organization) under the Faculty Guideship of
S Ravi Babu (Name of the Faculty Guide), Department of
Zoology Government Degree College (MCM) Srirakulam
(Name of the College)

Ch Ramakanth
(Signature and Date)

Official Certification

This is to certify that Ch. Ramakanta chaitanya (Name of the student) Reg. No. 2022001049018 has completed his/her Internship in Fisheries department (Name of the Intern Organization) on Fisheried (Title of the Internship) under my supervision as a part of partial fulfillment of the requirement for the Degree of BZC EM in the Department of Chaitanya (Name of the College).

This is accepted for evaluation.



Endorsements

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

Faculty Guide

Head of the Department

Principal

Government of Andhra Pradesh
Department of Fisheries

Certificate from Intern Organization

This is to certify that Ch. Ramakanth (Name of the intern)
Reg. No. 2022CO1049018 of Govt. Degree College (men) (Name of the
College) underwent internship in Department of Fisheries (Name of the
Intern Organization) from 12-12-2022 to 16-3-2023

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



K. GANGADHAR RAO
Authorized Signatory with Date and Seal
E.I.D. No: 0104
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

the inspiring guidance, positive criticism and encouragement extended by Respected FDO Sir through the period of his investigation

and preparation of project. I am deeply

inspired by his valid suggestions, advice and

help in collecting the project.

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 management project will be identify innovative for strengthening fisheries management. The goal of fisheries management is to produce sustainable biological environmental and socioeconomic benefits from renewable aquatic resources. Resource conservation, food production, generation of economic wealth, generation of reasonable income for fisheries, maintaining employment for fisheries, maintain viability of fishing communities are main objectives of fishery management. Do's and don'ts of fish culture, Selection and Stocking of Carps, introduction of some major carps.

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.

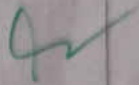
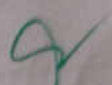
Department of fisheries, Srihokulam is located at Kamarajamma street, Ilisipuram, 5km. promotion and development of fishing and fisheries and fisherries and is associated activities including infrastructure development marketing, Exports etc. welfare of fisherman and other fishes folk and strengthening of their livelihood, are main vision values of organisation. Schemes include prime minister matsya sampada yojana, I- govt. schemes will strive promote socioeconomic welfare of fisherries and fish farmers by providing boats, nutritional support to fisherman families. during fishing bans & 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 management project, will be identify innovative, cost effective mechanism for Strengthening fishery management capacity in accord with Strategic Center to modernize the role of public sector in the we have learned about the Pond management, selection of shrimp odder given to fish. Record maintain water quality of pond major crops include catla, Rohu, mrigal and about their breeding and feeding habits and management capacity of Secretariat of agriculture live stock, fisheries and food, particularly those functions required. Local and farmer techniques for testing quality, salinity of water, skills acquired during project.

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 can affect by various factor	
Day - 2	Soil and water: The soil type of pond & its fertility is necessary	It Controls Pond stability, pH or salinity of water	
Day - 3	Aquatic weeds: They are not only take away nutrient but also upset O_2 balance	It left unchecked many choke water body posing to serious to fishes	
Day - 4	Unwanted fishes/predators They may be unwanted fish & predators were there	They compete with culture fish for feed nutrients	
Day - 5	Liming: - It should be done to ponds based on variety of culture	Liming includes $CaCO_3$ & $Ca(OH)_2$	
Day - 6	Fertilizers: Play a crucial role in fish culture	Ammonium phosphate (20-30 kg/ha)	

WEEKLY REPORT

WEEK - 1 (From Dt. 12/12/22 to Dt. 13/12/22)

Objective of the Activity Done:

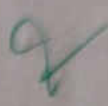
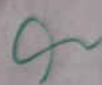
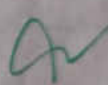
Detailed Report:

Preparation of Pond :- Opt. Size of Pond is rectangular with size varying from 1-20 hectares with dept range from 20 to 80 metres. The soil type of pond and its fertility status for fresh water fish especially crop is alluvial soil with Neutral pH range between 7.5-8.0. The pH has brought to neutral if the pond soil and water are saline, alkaline.

The aquatic weeds in fish pond are undesirable. They not take away nutrients but also upset oxygen balance. In water by release CO_2 in to pond during.

The unwanted fisheries (or) Predators may be predatory. They can be eliminated through prepared 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's male and female fishes are introduced for breeding season	Real base egg (110 days) is known as spawn	
Day - 2	spawn (20-25 days) is called fry (20% 40) advance fry	fry should shifted to rearing tank	
Day - 3	Stupied fingertind:- High amount of density culture.	high priority given to this	
Day - 4	feeding:- general feed should given at morning & evening	on 6th day food portion egg - feed.	
Day - 5	water management:- measure should be taken to ensure adequate water quality	measures should be adopted to prevent fish from stress	
Day - 6	kacha Nursery. Advance fry added to kacha Nursery	For good management practices	

WEEKLY REPORT

WEEK - 2 (From Dt. 19/12/23, to Dt. 26/12/23)

Objective of the Activity Done: Selecting & Stocking of Crops

Detailed Report: Selection: About 15-20 days after initial manuring selected species of crops are introduced into pond when several species of fish are reared together in pond in an intensive way.

The survival of fingerlings introduced into particular pond depends very much on the size bigger than size. It should have size of 10-15 cm. From the temperature point of view the best time of stock of pond will be when water in the pond is within the opt. range of 20-25°C. Obviously temperature below 20°C will affect the growth of fish. Feeds for the crops may be one of 2 types. Natural and artificial feeds. The natural growth of feeding in pond can be increased by regular manuring.

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 ~ 1. cotton	Rearing (U-column)	G
Day - 2	Feed:- Consume some plankton algae, zoo-plankton	Adult feed mainly on the surface	G
Day - 3	Rebre: Coloured fish with dark scales on its upper body	Rearing	G
Day - 4	Feed:- Zooplankton / Phytoplankton	Feed water growth booster helps in fast growth	G
Day - 5	Mrigal: It is a very day finned fish, covered with cycloid scales	Rearing (B-column)	G
Day - 6	Feed: plankton feeder, debris found in bottom	Bottom feeder	G

WEEKLY REPORT
WEEK - 3 (From Dt 27.12.22 to Dt 31.12.22)

Objective of the Activity Done: Introduction of major carps

Detailed Report: Catla fish - It is a large and brood head, with a large protruding lower jaw and upturned mouth. It has large greenish scales on its dorsal side and whitish on its belly. It reaches upto 182cm in length and 38kg wt.

It is a surface and midwater feeder.

Rohu fish -

It has small head, sharp face, lower lip is fleshy like, long circular body covered with scales. It has max - length of 1m.

- Feed is form of pellet, protein etc.

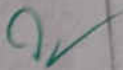
Mrigal fish -

Mrigal fish are long, upper lip curved to down, pale at trunk, body is silver coloured. Average body length about meter.

Feed is bottom based feeders

Eat - Small insects, decomposed organic elements

ACTIVITY LOG FOR THE FORTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day - 1	Salinometer Device used to measure Salinity in Solution	Read out the % of salt in solution	
Day - 2	pH meter - It measures hydrogen ion activity in water	Neutral $pH = 7$ Acidic $pH < 7$ Basic $pH > 7$	
Day - 3	Nitrate test: Indicator high nitrate levels in pond	Low Nitrate : Improve health of fish	
Day - 4	Test 5 drops of reagent A & B in a test tube.	Red & pink nitrate reduction Red-violet nitrate presence	
Day - 5			
Day - 6			

WEEKLY REPORT
WEEK - 4 (From Dt. 4.1.12 to Dt. 7.1.12)

Objective of the Activity Done: Laboratory

Detailed Report: Salinometer :- It is a device used to measure salinity or the content of solution. It is specially a calibrated hydrometer to read out % of salt in solution.

pH meter :- A pH meter measures hydrogen ion activity in water based solutions. It indicates acidity of solution.

Neutral solution $pH = 7$

Acidic solution $pH < 7$

Basic solution $pH > 7$

Nitrate test :- High nitrate levels in pond indicate build up of fish waste.

Low nitrate :- improves health of fish

High nitrate :- Increase of algae

Test :- 5 drops of reagents in test tubes and shake it well.

Red / pink - nitrate reduction

Red / Violet - presence of nitrate

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 - is most important factor	Dontls - stocking should be check quality of fish	Q
Day -2	Fodder - fresh fodder with good nutritional value.	Dontls: fodder should not be fed.	Q
Day -3	Water ownership: Before stock water quality should be test in lab.	Dontls: High density cultivation should be done	Q
Day -4	Aeration: Additional aeration must be properly arranged.	without testing quality shrimp shouldn't be released	Q
Day -5	Health ownership: Biosecurity arrangement should be reviewed.	The fence around Pond should not be torn	Q
Day -6	Market planning should be done based on market demand	Don't caught without proper planning	Q

WEEKLY REPORT

WEEK - 5 (From Dt 9.1.123 to Dt 18.1.123)

Objective of the Activity Done: Do's and Don't in culture

Detailed Report: After stress tests, microscopic and PCR tests for Shrimp, quality seed is selected and stocked.

Don'ts :- Shrimp fry should not be purchased from hatcheries not licensed by CCD.

Fodder :- Fresh fodder with good nutrient value should be selected.

Don'ts :- Do not use cheap feeders.

Water ownership :- Check standard range of pH should be checked every morning/evening.

In Saline ponds there is no need to add minerals every week.

Aeration :- Depending on no. of aerations pond should be aerated in 20 meter.

Don't use poor quality aerations.

Practise in check tray should be checked

Don'ts :- Some tools used in pond should not be used in other 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 process of spawning	Farms have breeding tanks, hatcheries	Q
Day - 2	Restricted fish farming - culturing any one stage in life cycle of fish	Ponds are concerned only for production of spawn	Q
Day - 3	Extensive fish farming fish depend on the natural feed for growth	Productivity is directly proportional to available natural feed	Q
Day - 4	Intensive fish farming fish are provided with artificial feed	Achieving maximum productivity by artificial feed.	Q
Day - 5	Traditional fish culture - most common method of fish culture	Artificially ponds where fresh & shell fishes are reared	Q
Day - 6	Semi-intensive fish farming: Both natural & artificial feed supplied to fish.	It requires of inputs of fertilizers.	Q

WEEKLY REPORT

WEEK - 6 (From Dt. 9/11/23 to Dt. 25/11/23)

Objective of the Activity Done: Different types of fish

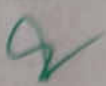
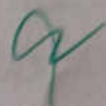
Detailed Report: Farming techniques.

Besides traditional ways, fish is cultured in artificial ponds to meet internal and external demand. By regularly nutritional needs, growth and breeding efforts are made to achieve high productivity.

Complete fish farming culture is taken up from the process of spawning to the stage of attaining maximum size. Culture centers will have breeding tanks, hatcheries, nursery ponds, clearing ponds, production ponds etc. Restricted fish farming is any one of stage in life cycle of fish in the ponds concerned with high yield.

extensive and Intensive farming techniques are fish depends on natural and artificial feed

ACTIVITY LOG FOR THE SEVEN WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day - 1	Hatchery tank & cement tanks with an area of 5-1.5 m ³	tanks used for breeding the prawn & larval development	
Day - 2	Selection and transport of breeder prawn measuring about 18-20 cm	fully grown good & sexually mature breeders	
Day - 3	Prevention from parasitic infection by chemical bath	chemical bath & supply of sterilized feed prevents.	
Day - 4	Feed: Green algal cells without parasitic incubation are provided	Green algal cells are provided as feed	
Day - 5	Stocking: About 60 adult prawns are stocked for breeding.	Ratio of male and female shrimp 1:1 & 1:2	
Day - 6	Breeding & spawning occurs during night just 60 cm above bottom	mating can be said to have occurred by presence of spermatophore	

ACTIVITY LOG FOR THE SEVEN WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day - 1	Hatchery tanks cement tanks with an area of 5 x 1.5 m ³	tanks used for breeding the prawn & larval development	
Day - 2	Selection and transport of breeder prawn measuring about 18-20cm	fully grown gravid & sexually mature breeder	
Day - 3	Prevention from parasitic infection by chemical bath	chemical bath & supply of sterilized feed prevents.	
Day - 4	Feed: green algal cells without parasites incubation are provided	Green algal cells are provided as feed	
Day - 5	Stocking: About 60 adult prawns are stocked for breeding.	Ratio of male and female shrimps 1:1 & 1:2	
Day - 6	Breeding & spawning occurs during night just 60cm above bottom	mating can be said to have occurred by presence of spermatophore	

WEEKLY REPORT
WEEK - 7 (From Dt 3/2.1.23 to Dt 9/2/23)

Objective of the Activity Done: management of hatchery tanks in

Detailed Report: a prawn production

construction of hatchery tanks, Selection and transport of breeders, Feed and preventive measures for parasitic infection are discussed in this week.

Hatchery tanks are plastic tubes of 0.5 to 1 tonne capacity or cement tubes with an area of $5 \times 1.5 \text{ m}^3$. Fully grown and sexually mature breeders prawns measuring about 18-20cm are selected from the sea water or culture centers. Selected from the sea water or culture centers. Selected breeders are transported in sealed polythene bags filled with 1/3 machine water and 2/3 oxygen. Selected breeders are given chemical bath to prevent parasitic infections & provided with sterilized feed.

ACTIVITY LOG FOR THE EIGHTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day - 1	Reservoirs or head pond. These are constructed near perennial water source	It is main pond supplying water to different ponds.	
Day - 2	Hatching ponds:- constructed near the main culture pond	fertilized egg develop into fry stage in these ponds	
Day - 3	Nursery ponds:- about 4 to 5 nursery ponds of 15x15x1.2m size	Fish Fry of 21 day age is raised.	
Day - 4	Rearing ponds:- 25x10x1.5m size 10-12 ponds are constructed	Fish fry of 30 days are further grown in moving ponds	
Day - 5	Production ponds:- These are perennial in nature	Small fishes are grown up to maximum size	
Day - 6	Stocking ponds size 250m x 10m x 1.25m	fully grown fishes & breeders can be stocked	

WEEKLY REPORT

WEEK - 8 From 14/2/2020 To 20/2/2020

Objective of the Activity Done:

Various types of ponds

Detailed Report:

Fish from nursery fed artificial
culture. Fish keeping in various stages seen in
development of a fish. Each one of it has its
own character to be turned into to
achieve good yield.

Reservoir ponds supply water to different
ponds all through the year. Fertilized egg
are developed into Fry stage in hatching
ponds.

Male up of mosquito net also used in
breeding. Fish fry of 2-4 days age is released
into nursery ponds.

These fish are introduced into production
pond up to attaining maximum marketable
size.

ACTIVITY LOG FOR THE NINTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day - 1	Temperature : Fishes are poikilothermous organisms	Temperature has influence on growth	4
Day - 2	Depth of pond : physio chemical factors changes along on depth of pond	Light cannot penetrate too deep resulting in absence of producers	4
Day - 3	Turbidity : clay, sand and other floating particles	Prevent penetration of light, flood location	4
Day - 4	Light : Penetration of light into water depends upon intensity of light	Aquatic plants, plankton prevent penetration of light	4
Day - 5	Water currents : Fishes generally breed only in flowing water	Hence waves & water currents formed.	4
Day - 6	Shade conditions : a wide pond increases the area of water	Aquatic plants along the shade are able to synthesize by photosynthesis	4

WEEKLY REPORT

WEEK - 9 (From Dt..... to Dt.....)

Objective of the Activity Done: Influence of physical factors in

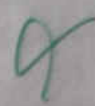
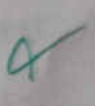
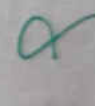
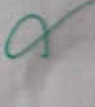
Detailed Report: fish ponds.

Physical factors of the pond influencing transparency of water, light and moments.

Temperature has influence over respiration growth and reproduction of fishes. These are poikilotherm animals whose body temperatures change in accordance with the temperature of medium. Raise in temperature reduces the dissolved oxygen content.

An ideal pond should have a depth of 2 meters. physio-chemical factors change basing on the depth. Turbid water containing Sol & clay particles entangle between gills filaments.

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 substances	pH of 6.5-9.0 results in high productivity	
Day - 2	Dissolved oxygen Depletion oxygen is regenerated from photosynthesis	productivity of pond depend on availability	
Day - 3	Carbondioxide: It is released by aquatic organisms during respiratory process	CO ₂ required for photosynthesis	
Day - 4	nutrients : necessary for growth of organisms	when nutrients are plenty yield will be high	
Day - 5	Hardness of water :- depends up on dissolved calcium & magnesium sub.	grows better at hardness of 15ppm slower growth at least 5ppm	
Day - 6	Other chemicals: CaCO ₃ , Nitrates, Ammonia, Sulphate & phosphate	CaCO ₃ necessary for growth of fishes	

WEEKLY REPORT

WEEK - 10 (From Dt..... to Dt.....)

Objective of the Activity Done:

Chemical factors in a fish pond

Detailed Report:

Hydrogen ion concentration, dissolved oxygen, Carbon dioxide, nutrients, hardness of water and other minerals of pond influence growth and productivity of fish.

pH 6.5-9.0 results in high productivity of the pond. Deficiency of water, rain water, turbid water decreases the pH and increases acidity. pH of less than 6 and more than 10.8 results in mortality of organisms.

Productivity of pond depends on the availability and regeneration of oxygen.

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	fish waste fertilize the crop field	A
Day - 2	Fish - prawn culture	excreta of Carps form food for prawn	A
Day - 3	Fish poultry	This facilitate direct fertilization	A
Day - 4	Rice - fish cultured simultaneously	channa (clasper) generally grown with rice	A
Day - 5	Relational Rice & fish culture	Soil broom fertilise with fish	A
Day - 6	Coconut & banana fish culture	It provides continuous water	A

WEEKLY REPORT

WEEK - 11 (From Dt..... to Dt.....)

Objective of the Activity Done: Integrated fish farming

Detailed Report: technology

cultivating the fish in association with agriculture & ducks & prawns is called integrated fish & mixed culture. Fish wastes are fertilise crops and poultry chicks are used as feed by fish

prawn can be cultured in ponds.

Primarily for Crop culture. crops are not predators. Their excreta forms food for prawns. This facilitates additional income 19,000/- per hectare. The selected fish can withstand high temperature and low depth conditions.

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 - flexibacteria	Characteristic growth of white cotton like filaments	q
Day - 2	Forcunculosis - Aeromonas salmonicida	Blisters with coagery & pus	q
Day - 3	Tuberculosis - mycobacterium	disease is identified by fin rot	q
Day - 4	Dropsy - pseudomonas nautica	Bulging of belly due to accumulation of yellow liquid	q
Day - 5	Columnaris - chondracow Colicnariet	formation of spots over body	q
Day - 6	Prophylactic measures By using antibiotics	Chemical bath of fish & antibiotics used	q

WEEKLY REPORT

WEEK - 12 (From Dt..... to Dt.....)

Objective of the Activity Done: Bacterial diseases & prophylactic

Detailed Report: diseases

Bacterial virus, protozoan are common parasites seen harbouring the fishes. Infection by pathogen causes retardation of growth and some times death of fish which leads to loss to cultivators.

Cotton mouth disease, popo, furunculosis are various bacterial diseases of fishes. Their symptoms are like wounds on body, blisters over internal organs etc.

- Prophylactic treatments - General drugs used to cure the disease are Sulphanilamide, Sulphamazine etc. Infections can be prevented by mixing antibiotics like Chloramphenicol, Terramycin etc. are used.

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 is very important for learning and doing job & any other work. Good environment is always boosting up your interest. A working environment is the ability of social features and physical conditions in which you perform your job. Three elements can impact feeling of well being, work place relationships, collaboration and efficiency and employ health. The office is more comfortable and improving your communication. The work environment impacts my mood, drive, mental health and performance.

My confidence is increased. Overall environment is good at fisheries department through positive influence at work environment.

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

Internship provides valuable personal experience and allow us to test the theories and concepts we have been introduced to throughout are called career skill.

Real time Skill:-

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

Technical Skill

1. 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 two characteristics of good team work to contribute to increase Job Satisfaction and active management
- A successful and qualified intern needs to have a willingness to learn
- Internships are introduction to career fields that have the capacity to teach really valuable lesson for an intern
- Segregation yourself with other interns to hangout with other interns and make sure to establish good 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 first thing that comes to mind. Take a moment and pay close attention to what you say and how you say it.

Written things drawn:-

Take a note when you are listening a class or when you are in a meeting in internship or taking another person

→ Body Language matters

→ maintain a positive attitude

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 assessed in terms of clarity of thoughts, expression and aptness of language.

Importance of Interperson skills -

Interpersonal skills reflect the ability of individual to interact with other members of the group.

→ Emotional maturity and balance promotes

Good interpersonal relationships

→ The person has to be more centre and less self centered

Student Self Evaluation of the Short-Term Internship

Student Name: Ch Ramakanth

Registration No:

Term of Internship:

From:

To:

Date of Evaluation:

Organization Name & Address: Fisheries Development Office, Ilisapuram.

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

Date:

Ch Ramakanth
Signature of the Student

Evaluation by the Supervisor of the Intern Organization

Student Name: Ch. Ramakanth

Registration No: 20220014908

Term of Internship:

From:

To:

Date of Evaluation:

Organization Name & Address: Fisheries development office, SKLM

Name & Address of the Supervisor K. Gangadhar Rao, FDO SKLM
with Mobile Number 9866089765

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

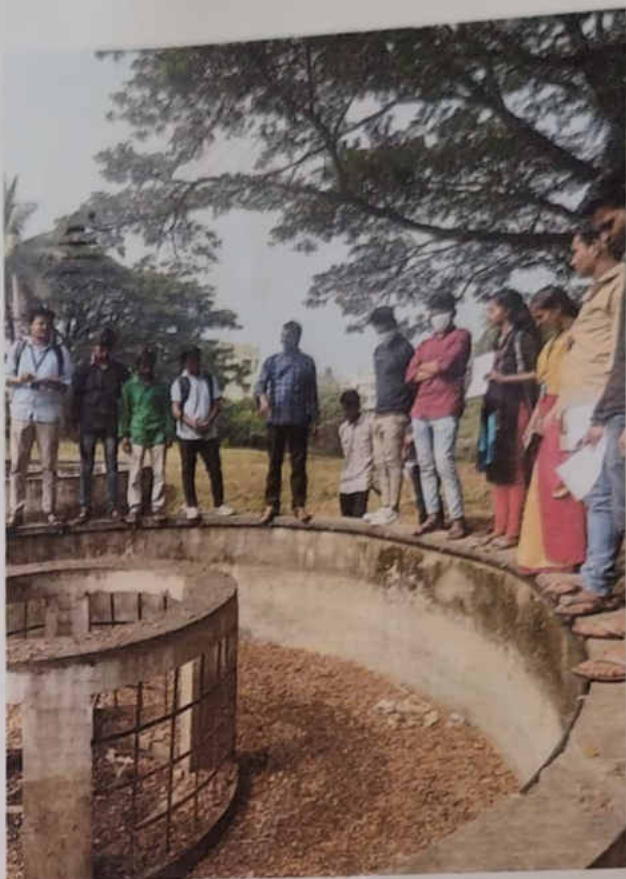
Please note that your evaluation shall be done independent of the Student's self-evaluation

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

Date:

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: *Ch. Ramakant*

Programme of Study: *III BSc*

Year of Study:

Group: *BSc*

Register No/H.T. No: *2022001049018*

Name of the College: *Govt. Degree college (men) SKLM*

University: *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: Ch. Ramakanth

Programme of Study: BRCM

Year of Study: 3rd yr

Group: BCS

Register No/H.T. No: 002200049018

Name of the College: govt. Degree college (men) SKLM

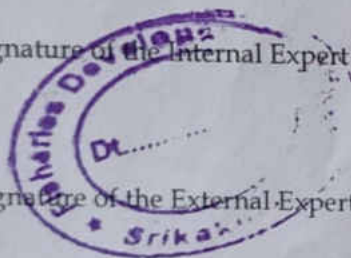
University: Ambedkar University

SLNo	Evaluation Criterion	Maximum Marks	Marks Awarded
1.	Internship Evaluation	80	<u>75</u>
2.	For the grading giving by the Supervisor of the Intern Organization	20	<u>19</u>
3.	Viva-Voce	50	
	TOTAL	150	
GRAND TOTAL (EXT. 50 M + INT. 100M)		200	

Signature of the Faculty Guide



Signature of the Internal Expert



(K. GANGADHARA RAO)
E.O. No. 0104 164
Fisheries Development Officer
Srikakulam Dist

Signature of the External Expert

Signature of the Principal with Seal



**ANDHRA PRADESH
STATE COUNCIL OF HIGHER EDUCATION**

(A Statutory Body of the Government of Andhra Pradesh)

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