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: P. Saikumar

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

Registration Number: 202200649066

Period of Internship: 4 months From: 12/12/2022 To: 16/03/23

Name & Address of the Intern Organization

DR. BR. Ambedkar University

YEAR

An Internship Report on

Fisheries Department office (SKLM)

(Title of the Semester Internship Program)

Submitted in accordance with the requirement for the degree of

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Under the Faculty Guideship of

Dr. Prameela

(Name of the Faculty Guide)

Department of

Govt Degree college (MEN) SKLM

(Name of the College)

Submitted by:

P. Saikumar

(Name of the Student)

Reg.No: 202200104906 6

Department of B.SC CBZ (TM)

Govt Degree college (M) 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, P. Saikumar a student of Internship Program, Reg. No. 20220010549066 of the Department of _____ 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 Dr. Prameela (Name of the Faculty Guide), Department of B.Sc BZC (TM), Govt Degree college (M) SKLM (Name of the College)

P. Saikumar
(Signature and Date)

Official Certification

This is to certify that P. saikumar *(Name of the student)* Reg. No. 2022001049066 has completed his/her Internship in FDO *(Name of the Intern Organization)* on fishers Depatrol office *(Title of the Internship)* under my supervision as a part of partial fulfillment of the requirement for the Degree of B.SC CBZ (TM) in the Department of Govt. Degree coll (MEN) SKLM *(Name of the College).*

This is accepted for evaluation.

Fisheries Development Officer Dr..... Srikakulam

(K. GANGADHARA RAO)
E.I.D. No: 0184 104
Fisheries Development Officer
Srikakulam Dist

(Signature with Date and Seal)

Endorsements

Faculty Guide

Head of the Department

Principal

Certificate from Intern Organization

This is to certify that P. saikumar *(Name of the intern)* Reg. No 2082001049066 of Govt. Degree clg(w)SKLM *(Name of the College)* underwent internship in fisheries departmental office *(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 Srikakulam

Authorized Signatory with Date and Seal

(K. GANGADHARA RAO)
E.I.D. No: 0104 104
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 rendered by Respectable FOO sir Through the Period of his investigation and Preparation of the Project. I am really indepted for his valid suggestions, advice and help is collecting the project.

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 sustainble fisheries Managament project will be identify innovative for strengthening fisheries Managament. The goal of fisheries Managament is to produce sustainable biological, environment and socioeconomic benefits from renewable aquatic resource. Resource conversation. food production. generation of economic wealth, generation of reasonable income for fisheries, main taining employment for fisheries, Maintain viability of fishing communities are main objectives of fisheris mangaments. Do's and Dont's of fish culture, selection and stocking of carpis int roduction of some 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.

Depoortment of fisheries srikakolam is located at kamanajama street, Idisipuram, skm, Poomation and the development of fishing and fisheries and its associated activites in cluding infoost sculture development marketing, Exports etc. welfare of fisherman and other fishers folk and strengthening of their livelfon are the main vision rules of organisation, schemes include Prime minister matsya sampade yojana, govt schenes wiustfore promote socioeconomic welfare of fisheries and fish farmers by providing boats, nets, safety kits, nutritional support to fisherman families during fising bans and lean periods.

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	Fishery field in food can affected by various factors in Pond	
Day - 2	soil and water :- The soil type of pond and its fertility is necessary	It controls pond stability, PH of salinity of water	
Day - 3	Aquatic weeds:- They not only take away nutrients but also upset O_2 balance	If left uncleets may choke water body posing to serious to fishes	
Day - 4	unwanted fishe predators they may be unwanted fish and predatoorwere there	They compete with culture fish for feed nutrients	
Day - 5	Liming : Liming should be done to ponds based on variety of culture	liming in clades ($CaCO_3$) (CaMg) $(CO_3)_2$	
Day - 6	Fertilizers: plays a crucial role in fish culture	Ammonium phosphate (20 - 30 kg/ha)	

WEEKLY REPORT

WEEK – 1 (From Dt..... to Dt.....)

Objective of the Activity Done:

Detailed Report: Preparation of Pond :- opt size of the pond is rectangular with size varying from 0.1–2.0 hectares with dept range from 2.0 to 3.0 Meters. The soil type of pound and its fertility status for fresh water fishes especially carp is alluvial soil with Neutral pH range b/w 7.5 – 8.0. The pH has brought to Neutral if the Pond soil and water are saline, alkaline.

The aquatic weeds in finish pond are undesirable they not take away nutrals but also upset orgen balance in water by relase CO_2 in to pond during nyts.

The unwanted fishes (or) Predators may be Predatory. They can be eliminated through repeated netting of Pond.

The Type of lime to be used depend on water pH. It is recommended the lime / [caomg $(CO)_3$] organic fertilizers such as (46%-N) compound of fertilizers like, ammonium phosphate can be used at 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 Pintadu for breeding season.	Released egg [1-10days] is known as spoan.	
Day - 2	spaen - (20-25 days) is called fry (30:40) advance fry.	Fry should shifted to reading tank	
Day - 3	stopted fingerlings :- High amount of density color called stanted fingering	High Priority given for this.	
Day - 4	Feeding :- General feed should given at Morning and evening routine.	On 6th day-food Protein - egg feed.	
Day - 5	Water Managment :- Measur should be taken to ensure adeq water soil quality	Measures should be Adopted to Pres fish from stress.	
Day - 6	Kacha Nursery :- Advance fry added to kacha nursery	Forgood Maragament Practisel.	

WEEKLY REPORT

WEEK – 2 (From Dt..... to Dt.....)

Objective of the Activity Done: Selecting and stocking of crops

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

The survival of fingerling introduce into particular pond depends very much in their 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 ~~of stock~~ is within the opt range of 20-30 °C obviously temperature below 30 °C will affect the growth of fish. Feeds for the crops may be one of 2 types. Natural, Artificial feeds and probiotics also the natural growth of feeding in pond can be increased by regular measuring.

In water management all proper depth of water should be maintained. Harvesting can be done either by partially draining water out of pond by repeated netting.

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, Prot ruding jaw	Reading :- [U - column]	
Day - 2	Feed :- fingerling consume some plankton algae, Zooplankton.	Adults feed mainly on the surface	
Day - 3	Rohu :- coloured fish with dark scales on its upper body.	Reading :- [M - colum]	
Day - 4	Feed :- Zooplankton & phytoplankton	Feed scale growth Booster helps in fast growth	
Day - 5	Mrigal ; It is a rayfined fish, covered, with cyclo scals, snout B hut	Reading (B - colum)	
Day - 6	Feed :- plankton feeder, debris found in Bottom	Bottom Feeders	

WEEKLY REPORT

WEEK - 3 (From Dt..... to Dt.....)

Objective of the Activity Done: Introduction of Major coarps

Detailed Report: catla fish :- catla fish is a large and broad head, with a large protruding lower jaw, and upturned mouth. It has large, greyish scales on its dorsal side and whitish on its belly. It reaches up to 182 cm in length and 31 kg wt.

→ It is a surface and midwater feeder.

→ Adults feed on zooplankton and phytoplankton.

Rohu fish :-

Rohu fish has small head. short face, lower lip is fold like, long circular body covered with scales It has max length of 1M.

→ Feed is in form of pellet, protein etc.

Mrigal fish :-

Mrigal fish are long, upper lip covered to down, part of trunk, body is silver coloured. Avg body lenght a bout 1 metter.

→ Feed is Bottom based feedes.

→ 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 :- Indicates High nitrate levels in pond.	Low nitrate : Improves health of fish.	
Day - 4	Test :- 5 drops of reagent A/B in a test and shake it well	Red (or) Pink : Nitrate reduction Red - violet Presence of nitrate	
Day - 5			
Day - 6			

WEEKLY REPORT

WEEK - 4 (From Dt..... to Dt.....)

Objective of the Activity Done: Laboratory

Detailed Report:

Salinometer :- It is a device used to Measure salinity (or) discontent of solution.

→ It is specially a caribrated hydrometer to read out % of salt in solution.

PH Meter :- A PH Meter measures hydrogen ion activity in water based solutions.

Indicates acidity of solution

Neutral solution : $P^H = 7$

Acidic solution : $P^H < 7$

Basic solution : $P^H > 7$

Nitrate test :- High nitrate levels in pond indicates Build up of fish waste.

Low nitrate : Improves health of fish

High nitrate : Increase of Algae

Poor quality

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 :- Sampling is most important in selection of juveniles	Dont's :- stocking shouldn't be check quality of fry	
Day - 2	Fodder :- Fresh Fodder with good nutritional value should be selected and purchased	Dont's : Fodder should not be fed without calculating FCR.	
Day - 3	Water ownership : Before stock water quality should be test in lab.	Dont's : without testing quality shrimp fry should not be released	
Day - 4	Aeration :- Additional aeration Must be proper ignored because few shrimp require lot of vitalgas.	Dont's : High density cultivation should not be done with out Aeration	
Day - 5	Health ownership : Bio security arrangement should be regularly received.	Dont's : The fence around pond and bird net should not be torn.	
Day - 6	Head : planning should be done based on market demand.	Dont's : Don't caught without Paper planing caught on last moon day.	

WEEKLY REPORT

WEEK - 5 (From Dt..... to Dt.....)

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

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

Dont's :- shimp fry should not be purchased from hatcheries not licensed by CCA.

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

Dont's :- Do not use cheap fodders.

Water ownership :- check standard range O_2/P^H should be checked every morning evening.

Dont's :- In saline ponds there is no need to add mineral every week.

Aeration :- Depending on no of Aerations pond should be checked every morning evening.

Dont's :- Don't use poor quality aerations.

Health ownership :- probiotics used instead of Antibiotics

Poison in check fry should be checked.

Dont's :- some tools used in pond should not 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 laterep her the process at spawing to Fulen	Farms have breding tanks, halclow, neary.	[signature]
Day - 2	Restricted fish farming:- cultoring any one stage in life cycle of fish	Ponds are corned only for producn of spwan/seed/ fullri- fish	[signature]
Day - 3	Extensive Fish farming:- Fish depend upon the natural Feed For growth	Productivity is directely propold to avail bul ra	[signature]
Day - 4	Intensive Fish Farming:- Fishes are Provided with artfieal seed	Achieng maimum Productivly by Prodiding feed	[signature]
Day - 5	Tra ditional Fish culture:- Most common method OF fish culer	artifically consthel Ponds where finch and shell fish are sud.	[signature]
Day -6	semi - inlenlv fish faming:- Both natural and artifical feed supplid Fish	:1 requir inputs of fertilizers and supplementary Feeding.	[signature]

WEEKLY REPORT

WEEK - 6 (From Dt..... to Dt.....)

Objective of the Activity Done: Different types of fish Farming culture

Detailed Report: Besids traditional ways, Fish is extand demb By regulating to-meet internal and external demb By regulating nutritional needs, growth and Breeding Efforts are made to active high productivity.

complete Fish Farming culture is turn up From the proces of spawing to the stage of attaining maximum size, culture to the stage of attaining maximum size culture center will have breeding tanks, hatcheries, nursery ponds, rearing ponds, production etc, Restricted Fish Farming is culturing any one of the stage in the life cycle of Fish in the ponds concerned with high yield.

extensive and intense Farming techniques are Fish depends on natural Feed and artificial Feed for growth and survial respectively.

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 5×1.5 M^3.	tanks used for breeding the prawns and larval developt	
Day - 2	Selection and Transport of Breeders :- Prawns Measuring about 18-20cm	Fully Grown and sexually mature breeder prawns are used	
Day - 3	Prevention from parasitic infection :- By chemical Both.	chemical bath & supply of sterilized Feed prevent Infection	
Day - 4	Feed :- Green agal cells without prawn are stocked for breeding in above tanks	Green algal cells are provided as Feed.	
Day - 5	stocking :- About 60 adult Prawns are stocked for breeding in above tanks	Ratio of male and ferrale shrimps are 1:1 or 1:2	
Day - 6	Breeding and spawing :- occurs during nighttime just 60cms above the bottom	mating can be said to have occured by Presence of spermato phos over the lateral ferrel	

WEEKLY REPORT

WEEK – 7 (From Dt..... to Dt.....)

Objective of the Activity Done: Mangement of hatchery tanks in prawn production.

Detailed Report:

construction of hatchery tanks, selection and types good of breeds, feed and preventive measures for parasitic infection are discussed in this week as prime mangement criteria in prawn production.

Hatchery tanks are plastic tubes of 0.5 to 1 tone capacity or cement tubes with an area of $5 \times 1.5 m^3$. Fully grown and sexually mature breeder prawns measuring about 18-20 cm are selected from the sea water or culture centers. selected breeders are transported in sealed polythene bags filled with 1/3 marine water and 2/3 oxygen.

selected breeders are given chemical bath to prevent parasitic infections & parasitic with shrimp feed. Green algal cells without parasitic infection are provided as feed. Ratio between male and female the females release large numbers eggs. Mating can be said to have occured by the presence of spermatophore over the thelycum of the female.

ACTIVITY LOG FOR THE EIGTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day - 1	Reservoir or head pond:- these are constured near perinal watersource	It is the main pond supplying water to different ponds	
Day - 2	Hatching ponds:- constructed near the main culture pond	Fertilized egg delp into fry stage in these ponds	
Day - 3	Nursery ponds:- 4 to 5 nursery pond of 15 x 15 x 1.2 m size are constructed	Fish fry of 20 days are further grown in rearing ponds	
Day - 4	Rearing ponds:- are 25 x 10 x 1.5m size 10-12 ponds are constructed	Fish fry of 30 days are further grown in rearing ponds	
Day - 5	Production ponds:- these are perennial in nature 91 x 50 x 3.5m in size	small fishes are grown up to maturity size	
Day - 6	stcking ponds:- size 75m x 10m x 1.75m	Fully grown Fishes & breeders are stocked till they are disposed.	

WEEKLY REPORT

WEEK – 8 (From Dt..... to Dt : Dt.....)

Objective of the Activity Done: Various types of ponds.

Detailed Report: Fish Farm necessary for artificial culture should possess the following ponds for keeping up various stages seen in development of a Fish. each one of it has its own characters to be followed strictly to achive good yield. Reservoir ponds supply water to different ponds all through the year Fertilized Eggs are developed into Fry stage in hatching ponds. hapas made up of mosquito net also used for breding Fish Fry up of 3-4 days age is released into nursary ponds for growing them For 30 days. Fish fry of 30 days age are further grown in rearing ponds of 25 x10 x1.5m size These are generally stocked in high density after 6 months or one year These Fishes are introduced into Production ponds up to attaing maximum marketable size. these Fishes & breders are stocked in stocking Pond till they are disposed off for specific pupose

ACTIVITY LOG FOR THE NINETH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day - 1	Temparature :- Fishes are Poikilothons organisons	Temparature has influence on growth, Respirat appetution	
Day - 2	Depth of pond :- chemical factors change basing on depth of the pond.	light cannot penetrate deeper resulting in absence of producter.	
Day - 3	Turbidity :- clay, sand & other floating Particles reduce the tayoral water.	Prevents penetration of light, Flood water's highy turbid	
Day - 4	light :- Pondration of light into water depends upon Intasity of light	Aquatic plants Plants still etc. the Penetration of light.	
Day - 5	water currents :- Fishes generally breed only in Falowing waters	mense waves & water currents dan med due to th existance Pncorse productivity	
Day - 6	shore conditions :- a wide pond Pncorese the area of water.	Aquatic Plants along the shore able to synthesis more food bes of photo synth	

WEEKLY REPORT

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

Objective of the Activity Done: Influence of physical factors in fish ponds.

Detailed Report:

Prime physical factors of the pond influencing the productivity, are temperature, depth of the pond, Transperency of water, light and water movements, Temperature has influence over respiration growth and reproduction of fishes These are poikilothermal organisms whose body temperature changes in accordance with the temperature of the medium. Raise in Temperature reduces the dissolved oxygen content.

An ideal pond should have a depth of 2 Metres physico-chemical factors change basing on the depth Turbid water containing soil & clay particles entangle between the gill filaments causing obstacle for respiration. light is the most important factor for productivity. waves and water currents formed due to the entry and exit of water contribute to the entry and exit aerial. ability high Dissolved oxygen. If a pond has lengthy shore, it is use full for growth of aquatic plants due to more light availability it increases yield.

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 is based on dissolved substance	pH of 6.8 – 9.0 result in high productivity of pond	
Day - 2	Dissolved oxygen: Depleted oxygen is regenerated from photosynthesis	Productivity of pond depends upon availability & oxygen ration of oxygen.	
Day - 3	carbon dioxide: It is released by aerobic organisms during respiratory process.	CO_2 required for photosynthesis & over concentrated CO_2 kills Fishes.	
Day - 4	Nutrients: necessary for growth of organisms	when nutrients are plenty yield will be very high	
Day - 5	Hardness of water: depends up on dissolved calcium and magnesium salts.	Ponds bottom hardness of 15 ppm shows growth of less than 5 ppm.	
Day - 6	other chemicals: $CaCO_3$, nitrates, Ammonia, sulphates & phosphates	$CaCO_3$ necessary for growth of bacteria. Forming nutrient the no of phytoplankton	

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, carbondioxidemetorints, hardness of water and other minals of the pond influence the growth and Productivity of the PH of 6.8 – 9.0 results in high Productivity of the pond Deficiency of water, turbid water decrease the PH and increase acidity. A PH of less than 6.5 more than 10.6 results in mortality of the organisms. Productivity of good depends upon the availability and increased by using manure, CO_2 is required For Photo synthesis but over concentration of CO_2 may result in causing mass Mortality of qualtis organisms.

Nutrients are necessary for growth of organisams micro elements like copper, nickel, manganese, Fe & salts found of Na, K, mg, Ca, FC in the form of sulphates, phosphates nitrates and carbonates. organisam grow better at hardness of 15 ppm.

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: culturing Fish in associ will others organ & prawn fry.	Fish wastes fullise the crop and shrimp waste from poultry chick are by fish	
Day - 2	Fish-prawn culture: prawn can be cultured in ponds primarily meant for carp culture.	Excess of crops forms food for prawn.	
Day - 3	Fish - Poultry: Hot poultry frame is constructed over platform built of bamboo above waterlevel of pond.	This facilitates the direct fertilization of pond by droppings of chics.	
Day - 4	Rice - Fish cultured simultaneously: Rice varieties ADT6, ADT7, Aaja vari are used	Channa striatus, clarias, calla are generally.	
Day - 5	Peripheral Rice & Fish culture: Rice fields are converted to fish culture ponds also	soil bottom textile with excess of fish improves rice yield.	
Day - 6	coconut (or) Banana Fish: canals in between the rows of plants are used for fish culture.	It provide constant water to plants which is source of income	

WEEKLY REPORT

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

Objective of the Activity Done: Integrated Fish Farming Technology

Detailed Report: culturing the Fish in association with agriculture or duck or chicks or pigs or goats are Fertilize the crops and poultry acts are used as feed by fish individully these farming methods may yield low income but Integral farming

Prawn can be cultured in ponds primarily meat for carp culture. carps are not Predulars. Their extra farms food for Prawns. This facilites 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.

The selected fish conditions the rice varies with withstanding flood conditions are generally selected. same technique can also used in coconut or Banana - Fish culture where canal are constructed in between the rows of plants.

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 cased by infection of flexibacter	characteristic growth of white cotton like T-Rla melts mouth	
Day - 2	Furunculosis:- This is cased by infection of Aeromas salmonicida.	Blister with water or pus are formed at the site of infection such as skin	
Day - 3	Tuberculosis:- This is due to infeter by mycobacterium.	diseas is identi by fin rot, wounds on body blisters, loss of weight	
Day - 4	Dropsy:- Initially its due to viral infection & secondary infect by bacteria Pseudo.	Swelling is identified by fin rot, wounds on body blister, loss of weight etc.	
Day - 5	calumaris:- This is due to infection of bacteria chondrocu calumaris	identified by formation of spots over body, scales fall of.	
Day - 6	Prophylactic:- By using antibiotic & Probiotics we can prevent infection	chemical bath of infected fish & using antibodies fishes can be cured.	

WEEKLY REPORT

WEEK – 12 (From Dt…………….. to Dt……………..)

Objective of the Activity Done: Bacterial disees & prophyl mesures.

Detailed Report: Bacteria, Viros, Protozons are common Parasih seen harbowing the fishes infection by Pathogens care retardation of growth & sere times deat of fish wich leads to loss for cultivaters.

cotton Mouth disease, furunlosis finadal disease Tubeculosis, Dropsy. columnaris are the various bacterial diseae of fishes. Their symptoms are like wounds on body, blisters over the internal organs, spots over th body, their symptoms very from different baual diseaes.

Prophylactic measures:– General drugs used to cur the disease are sulphanilamide, sulphadiazine, sulpha morphine etc. Infections can be Puted by mixing antibiotic like chloraphenol, terramycin, erythromycin; chemical like chloramphenicol, terramin erythromycinas chemical bath of infected fishes cure the diseas mainly immonity 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 important for learning and doing job (or) any other work. Good environment is the setting social factors and physical factors in which you perform your job. These elements can impact feelings of well being workplace relation ships, collaboration and effecting and employ health. The office 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 fishery dept thought positively in future entire work in environment. The office is more comfortable improve my communication I feel there is a good interaction at dept facilities to learn there is enough. They fix time form morning to evening four classes and framed time table accordingly.

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

Inteonship provide valueble pesnol expeofence and allow us to test theories and concepts we have been Introduced to throughout our couegecareen skilles we have picked up during course area is

Real time skills :-

1. commonication
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 2 characteristics of good team work contribute to increased job satisfaction and active management of idea sharing among the people.

→ A successful and qualified intern needs to have willingness to learn.

→ Internships are introduction to career field that have the capacity to teach really valuable lessons for an intern future career path.

→ It teaches us to be great listeners who know how to take decision.

→ showing willingness to learn work experience at fields to offer the Host Employees.

→ Every learning opportunities that comes our way, Familiarize ourself with various aspects of related areas.

→ segregating ourself with other interns to hand out with other interns and make sure 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 case 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.

Body language matter:- This is imp for face to face meeting and for also video conference make sure that appearance is visible, so have open body language, keep an eye contact.

Maintain a positive attitude:- your positive attitude will shine through and other person will know it and helps 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 participating candidates will be assessed in term of clarity of thought, expression and aptness of language.

Importance of Interpersonal skills :- Interpersonal skills refled ability of individual to interact with other members of group in a brief situation.

→ Emotional maturity and balance promotes good inter personal relationships.

→ the person has to be more centric and less self centered.

Importance of presentation skills :- Presentation is an effective way to communicate a large no. of people at same skill.

leader ship skill :- Ability to take leadership roles and lead, inspire / carry team along to help them a choice groupers objectives.

Analytical skills :- Ability to analyze and preside others to see problem 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)*

Thechnological developments includes equipment and practices used for finding, harvesting, handing, processing and distributing of equatic resources and their products processing technology helps reduce food loss and waste, thus reducing food pressure on fisheries resources and fostering sustainability of sector, procesing often results inquantity of by products. Harvsting of equatic ours and production is done either in wild (or) in controlled environments estimates can be made quickly, meaning fish spend less time out of the water, increasing their survial rate. Techgs. like Geromics and geneticalysis are useful technologies for improving productivity and the quality of aquaculture products SNP shave been emerged as equipment like salinometer P^H meter helps in maintain the quality, salinity of water before introduction of fishes in pond for culture Tests include Nitrate test will help to identify Nitrate levels in pond in culture.

Student Self Evaluation of the Short-Term Internship

Student Name: P. saikumar **Registration No:** 2022001049066

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

Date of Evaluation:

Organization Name & Address: fisheries department office, skm
Ilisipuram sorikakolam

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**

P. saikumar

Date: **Signature of the Student**

Evaluation by the Supervisor of the Intern Organization

Student Name: P. Saikumar	**Registration No:** 202200104 9066
Term of Internship:	**From:** 12/12/2022 **To:** 16/03/2023
Date of Evaluation:	
Organization Name & Address: fisheries department office SKLM.	
Name & Address of the Supervisor with Mobile Number	

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

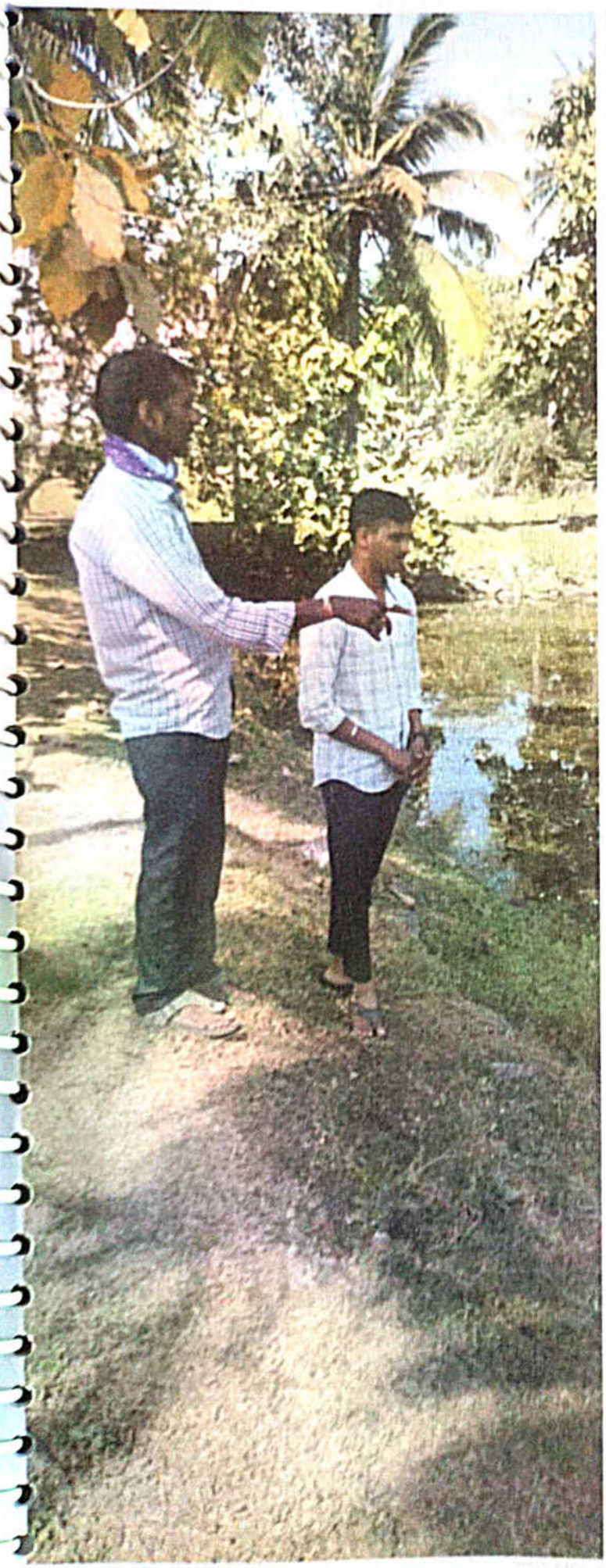
Please note that your evaluation shall be done independent of the Student's self-evaluation

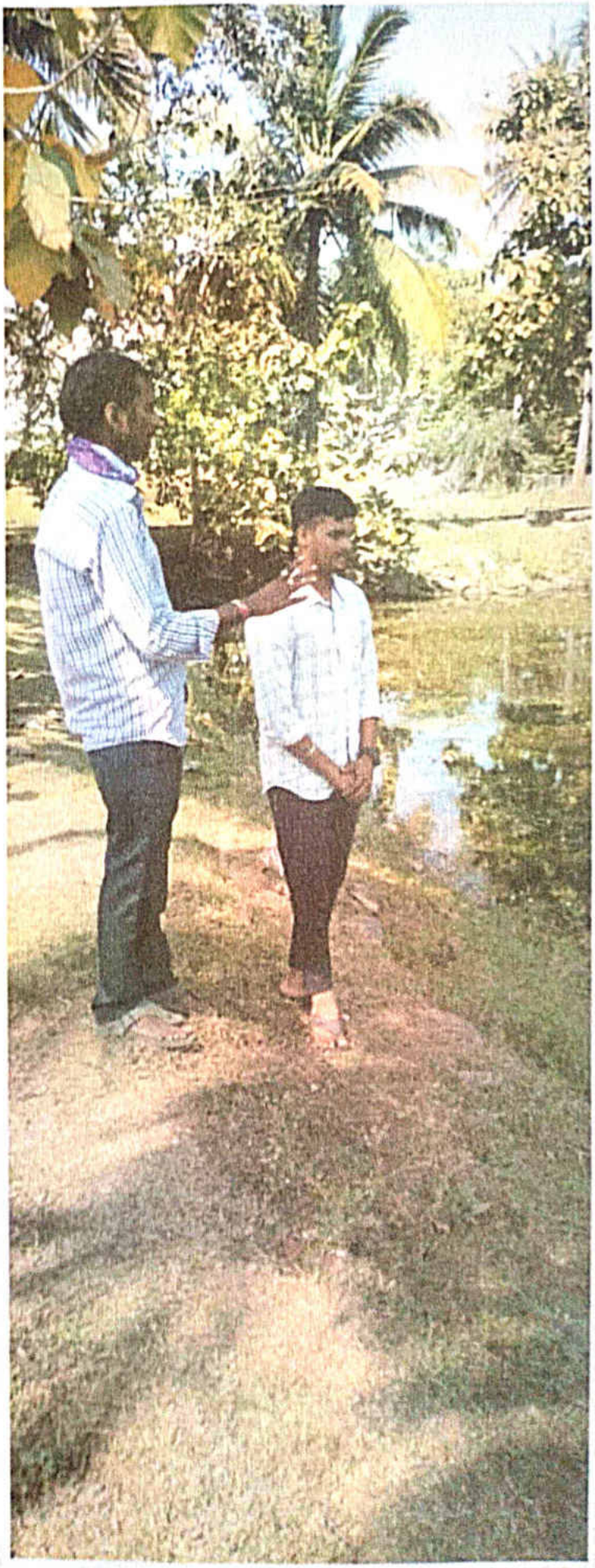
Rating Scale: 1 is lowest and 5 is highest rank

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:

(K. GANGADHARA RAO)
Signature of the Supervisor
Fisheries Development Officer
Srikakulam Dist





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: P. Saikumar
Programme of Study:
Year of Study: 2022 - 2023
Group: BZC (TM)
Register No/H.T. No: 202200104 9066
Name of the College: Govt. Degree college (M) SKLM
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: P. Saikumar
Programme of Study:
Year of Study: 2022 - 2023
Group: B.Sc CBZ (TM)
Register No/H.T. No: 202200104-9066
Name of the College: Govt. Degree college (MEN) SKLM
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

Dt.

Signature of the External Expert

(K. GANGADHARA RAO)
E.I.D. No: 0104-104
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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