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: DOSARI. PURNA

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

Registration Number: 2032001049018

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

Name & Address of the Intern Organization: - Fisheries Development office.
Ilasipuram, Srikakulam.

Andhra University

YEAR

An Internship Report on

fishries 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

Government Degree College (men) SKLM

(Name of the College)

Submitted by:

Dasari purna

(Name of the Student)

Reg.No: 202200104902 2

Department of B.Sc (BZC)

Government Degree College (men) SKLM

(Name of the College)

Instructions to Students

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

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

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

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Student's Declaration

I, Dasari purna a student of Internship Program, Reg. No. 202200104022 of the Department of FDO, GDC(men) College do hereby declare that I have completed the mandatory internship from 12/12/22 to 16/03/23 in Dept. of Fishries (Name of the intern organization) under the Faculty Guideship of Dr. pramoela (Name of the Faculty Guide), Department of B.Sc (Bzc), Government Degree college (men) Stn (Name of the College)

D. purna
16/03/2023
(Signature and Date)

Official Certification

This is to certify that DASARI PURNA *(Name of the student)* Reg. No. 202200104 9022 has completed his/her Internship in FDO *(Name of the Intern Organization)* on fishries Department office *(Title of the Internship)* under my supervision as a part of partial fulfillment of the requirement for the Degree of B.SC (BZC) in the Department of Gavernment degree college(men) *(Name of the College)*.

This is accepted for evaluation.

Fisheries Development Officer Srikakulam Dt.....

(Signatory with Date and Seal)

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

Endorsements

Faculty Guide

Head of the Department

Principal

Government of Andhrapradesh

Department of fishries

Certificate from Intern Organization

This is to certify that D. purna *(Name of the intern)* Reg. No 2022001049022 of GDC (men) SKLM *(Name of the College)* underwent internship in department of fishries *(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
Dt.....
Srikakulam

Authorized Signatory with Date and Seal
(K. GANGADHARA RAO)
E.I.D. No: 0304 104
Fisheries Development Officer
Srikakulam Dist

Contents

Acknowledgements

I would like to thank all those people who helped me in successful completion of my internship programme with deepest sensor of gratitude. I Acknowledge the inspiring guidence, positive criticism and encouragement rendered by his Respectable FDO sir throught the period of his investigation and preparation of the project; I am really indepted for 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 fisheris managment project coill be identify innovative for Stengthoning fisheries managment . the goal of fisherics managment 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, main . taining employment for fisheries, maintain viability of fishing communities are main obsectives of fishes management .

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 Poikakulam is located at Kamarajamma Street, Tilisiperram, Sklm, promation and the development of fishing and fisherics and its associated activities in cluding infnastructuner development marketing Exports etc. welfare off fisherman and other fishes folk and Strengthning of their livelihood, are the main vision values of Organisation, schemes in clude prime minister matsy a sampade Yojana, govt Schemes will strive promote socioeconomic welfare of fisheries and fish farmers by providing boats, nets, safety, kits nutritional support to fisher -man families during fishing bans and lean periods.

CHAPTER 3: INTERNSHIP PART

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

The sustainable fishery management project, will be identify innovative, cost effective mechanisms for strengthening fishery management capacity in accord with strategic centers to modernize the role of public sector in this we how learned about the pond management, selection of shrimp fodder give to fish, Record maintain once water quality of pond etc. major carps in clude.

catla, Rohu, mrigal and about their Rearing and feeding habits and management capacity of Secretariat of agriculture, live stock, fisheries and food, particularly those functions required.

ACTIVITY LOG FOR THE FIRST WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day - 1	Pond preparation: Theopt site pond is rectangular size	fish field in pond can affected by various factors in pond	
Day - 2	Soil and water: the soil type of pond and its fertiang is necessary	it controls pond stabilits. PH salinity salinity of water	
Day - 3	Aquatic weeds; they not only take away nuts frents but also upset O_2 bal	if left unchecked may choke water body posing to serious to fishes	
Day - 4	unwanted fisher/predacting: They may be unwanted fish ant predatorwre thos	they complate with culture fish for feed nuts rients	
Day - 5	liming: liming old be done tap onds based on variety of culture	ciming includes ($CaCO_3$), (Ca, mg, $(CO_3)_2$	
Day - 6	fertilizes, plays a caucial role in fish culture	Ammonium, phosphete (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 hect ares with dept range from 2.0 to 3.0 metres. the soil type of pond and its fertility status for fresh water fishes specially crop 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 fish pond are undesirable they aquatic weeds in fish pond are not take away nutrients but also upset Oxygen balence in water by release CO_2 into pond during nyts.

The unwanted fishes (or) predatoss may be predatory they can be eliminated through repeated neting of pond.

The type of lime to be used depend on water, pH, it is recommended the time (caco3) organic fertilizers such as (46:0:0) compound fertilizers like 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 introduct for breeding season	Released egg (1-10 days) is known as spawn	
Day - 2	spawn - (20-25 days is called fry (30-40) - advanced fry	fry should shifted to rearing tank.	
Day - 3	stupted fingerlings: High amount of density culture called stunted fingerlings	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 mangement: measure should be taken to ensure ~~adeven~~ adequate water & soil quality	measures should be Adopted preve nt fish from stress.	
Day - 6	Kacha Nursery: Advance fry added to kacha Nursery	for good mangement practises.	

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 after 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 fingerlings - introduced 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 ponds will be when water in the pond 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 are of 2 types Natural, Artificial feeds and probiotic also.

In water mangement 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 1. catla :- large and Broad Head	Rearing :- (u - column)	
Day - 2	feed: fingerlings Consume Some plankton algae, zooplankton	Adults feed mainly on the surface	
Day - 3	Rohu :- colored fish with dark scales on its upper body	Rearing (m - column)	
Day - 4	feed: zooplankton & Phytoplankton	feed cum growth Booster helps in fast growth	
Day - 5	mrigal : it is a ray finned fish, covered with cycloid scales, Snout Blunt:	Rearing CB - column)	
Day - 6	feed: plankton feeder debris found in bottom	Bottom feeders	

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 mater :- It measure hydrogen ion activity in water	Neutral: pH=7 Acidic: pH<7 Basic: pH>7	
Day - 3	Nitratetest: Indicates High Nitrate levels in pond	low nitrate:- Improves health of fish.	
Day - 4	test:- 5 drops of reagent A/B in a test tube and shake well	Red(or) pink: Nitrate reduction Red+ violet presene of nitrate	
Day - 5			
Day - 6			

WEEKLY REPORT

WEEK – 4 (From Dt..... to Dt.....)

Objective of the Activity Done: laboratory

Detailed Report:

Salino metar:-

=) It is a device used to measure salinity (or) dis-content of solution

=) It is specialy a calibrated hydrometer to read out % of salt in solution.

PH metar:-

A pH metar measures hydrogen activity in water based solutions.

Indicates acidity of solution

Neutral solution; pH = 7

Acidic solution; pH < 7

Basic solution; pH > 7

Nitrate test:- High nitrate levels in pond indicates build upof fish waste.

low nitrate:- improves health off is

High nitrates. increase of Alage

poor quality.

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: Samplings is most imp to in selection of juvenile	Don'ts of stocking Shouldn't be check quality of fry	
Day - 2	fooder: fresh fodder with good nutritional value should be selected and purchased	Don'ts: fodder should not be fed without calculation for.	
Day - 3	water ownership: Before stock water quality should be test in lab	Don'ts: without testing quality shrimp fry should not be released.	
Day - 4	Aeration: Additional aeration must be proper arranged · because few Shrimps require lot	Don'ts: High density cultivation should not be done without Aeration	
Day - 5	Health ownership: Bio-security arrangement should be · sequalarly reviewed	Don'ts: the fence around pond and bird net should not · betom	
Day - 6	Hed · planning should be done based on market demond	Don'ts: Don't caught without paper planning caught on full	

WEEKLY REPORT

WEEK – 5 (From Dt..... to Dt.....)

Objective of the Activity Done: Do's and Dont's culture:-

Detailed Report:

After stress tests, microscopic and pcr tests for Shrimps, quality Seed is selected and Stocked.

Dont's :- Shrimp fry Should not be purchased from hatcheries not licensed by CCA.

fodder :- fresh fodder with good nutritate value Should be selected.

Dont's :- Do not use cheep fodders.

water ownership :- Check standard range O_2 / pH Should be checked every morng / evening.

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

Aeration :- Depending on not of Areations pond Should be arranged in 2 circles

Dont's :- Dont's use poor aquality aeations.

Heath ownership :- probiotics used insteed of Antibiotics.

prown in check try 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 take up from the praces spawing to full size	farms have breading tanks, hatcheries, nursery rearing productinal	
Day - 2	Restricted fish farming:- culturing any one stage in life cycle of fish	ponds are concered only for producti of spacen(seed/fish	
Day - 3	Extensive fish farming. fish depend on the natural feed for grouth	productivity is directely proportal to availabual natural feed	
Day - 4	Intensive fish farming:- fishes are provided with artificial seed. traditional fish culture!	Achiving maximum productivity by oblvity artificial feed	
Day - 5	Traditional fish culture: most common method of fish culture	artificial construcle ponds when fin fisher and shell fish are raised	
Day - 6	Semi - Intensive fish farming: Both natural and artificial feed	it requise inputs of fertilizers and supplementary	

WEEKLY REPORT

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

Objective of the Activity Done: Offerend types of fish forming techniques

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

complete fish farming culture is taken up from the process spawing to the stage of attaining maximum size culture centers will have breeding tanks, hatcheries, nursery ponds, rearing ponds, production ponds etc.

traditional fish farming are common method of fish culture where artificially constructed ponds where the aquatic animals such as the finfish and shell fish are razed. Semi intensive fish farming requires a modarate levels of inputs and fish production is increased by use of fertilizers and supplementary feeding

ACTIVITY LOG FOR THE SEVEN WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day - 1	Hatchery tanks: Cement tanks with an area of 5X 1.5 m3	tanks used for breeding the prawn and larval development	
Day - 2	Selection and transport of Breeders prawns measuring tail	fully grown and sexually mature breeder prawns used	
Day - 3	prevention from parasitic infection: By chemical Bath	Chemical baths & supply of sterized feed prevents infe	
Day - 4	feed: Green algal cells without parasitic infection are provided	Green algal cells are provided as feed	
Day - 5	Stocking: Exact Go'adul prawns are stocked for breeding in a tank	Ratio of male and female shrimps are 1:1 or 1:2	
Day - 6	breeding and spawning occurs during night time just 1 hours about the bath	mating can be said to have occurred by presence of sperm.	

WEEKLY REPORT

WEEK – 7 (From Dt..... to Dt.....)

Objective of the Activity Done: management of hatchery

Detailed Report:

tanks in prawn production:-

Construction of hatching tanks, selection and trans. part of breeders, feed and preventive measure for parasitic infection are discussed in this ween as prime management criteria in prawn production.

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 breeding prawns measuring about 18-20cm are selected from the sea water or culture centers. selected breeders are 1/3 marine water and 2/3 oxygen.

selected breeders are given chemical bath to prevent parasitic inbections. & provided with sterilized feed. Green algal cells without parasitic infection are provided as feed.

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 constructed near perrnoal water Source.	It is the 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	Nursey Ponds: about Uto 5 nursegy ponds of 15x15x1.2m size are constru	fish fry of 3-4 days age is relesed into these ponds for growing then for	
Day - 4	Rearing Ponds: are 25x10x1.5 m size 10-12 ponds are constuted	fish fry of 30days are further grown in rearing ponds	
Day - 5	Production ponds:- these are perrnial in natug 91x50x3.5m in size	small fishes are grown upto maximum size	
Day - 6	Stocking Ponds:- Site 25mx10mx1.75m	fully grown fishes & breeds 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 artificially culture should posses 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 strikly to achieve good yield.

Reservior ponds suply water to different ponds all throught the year fertilized eggs are develped into fry stage in hatching ponds. hapa's made up of mosquito net also used for breeding. fish fry of 3-4 days age is released into nursary ponds for growing them for 30 days. fish fry of 25x10x1.5m size. are further grown in rearing ponds of 25x10x1.5 these are, generally stocked in high density after 6 months. or one year these fishes are introduced into production ponds upto attaing maxium marketabel size. these fishes they are disposed off for specibic purpose.

ACTIVITY LOG FOR THE NINETH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day - 1	Temparatue: fishes are poikilo therme organism	temparatur has influense on growth respiratio & Reproduction	
Day - 2	Depth of pond: physio-chemical factors changes basing on depth of the pond	light cannot penetrated too deep resulting in obseer of Produces.	
Day - 3	turbidity clay, sand & other floating particles reduce the transparenor	prevents penetration of light, flood water is highly turbid	
Day - 4	light: penetration of light into water depends upon intensity of light	Aquatic plants: plankton silt etc prevent the pene-tration of light	
Day - 5	water currents: fishes generaly bred only in flowing waters	thence wave & water currents formed due to the Exit of water increas	
Day - 6	Shore conditions: a wide pond increses the area of water.	Aquatic plants along the shore able to synthesize more food bez of Pl	

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 influcing the productivity are temparature, deth of the pond transperency of water, light and water moments.

=) Temparatur has influence over respiration growth, and reproduction of fishries.

=) These are poikilo thermus organisms whose body tempaturs changes in accordnce with the tempatur of the medium. Raise in temparature reduces the dissolved oxgen content.

=) an ideal pond should have a depth of 2 methods meters physico-chemical bactors change basing on the depth.

=) turbid water contains soil & clay partides entangle beettween.

=) the sill filamants causing obstale for respiration. light is the most important factor for productivity.

=) growth of equalic plants due to more yield.

ACTIVITY LOG FOR THE TENTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day - 1	Hydrosen ion concentration (pH) : it is based on dissolved substances	pH of 6.8–9.0 result in high productivity of pond.	
Day - 2	Dissolved oxygen:- Depleted oxygen is regenerated from photo	productivity of pond depends upon availability & oxygen creation of oxygen	
Day - 3	Carbondioxide: it is relesed by aquatic organisams during respiratory process.	Co2 required for photo synthesis over concentral of co2 kills fishes	
Day - 4	Nutrients: neceessary for growth of organisams	When nutrents are plenty yield will be very high	
Day - 5	Hardness of water: depends up on dissolved calcium and magnesium salts	Grows betterat hardness of 15ppm slow growth at less than 5ppm	
Day - 6	Other chemicals: caco3 Nitrate, Ammonia, sulphate & prosphates	caco3 necessary for growth of bones. Deming	

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, 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 results in high productivity of the pond Dificiency of water, rain water/ turbid water, dicreases the pH and increas acidity.

⇒ A pH less then 6.8 more than 10.8 results in mortality of organisams. productivity of pond depende upon the availabality and regeneration of oxygen. oxygen content in the pond is increased by using aeratos. CO_2 is required for photo synthesis but over concentration of CO_2 many result in causing mass mortality of aquatic organisams.

⇒ the formation of chlorophyll magnesium salts are necesary)

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 in association with others agriculture poultry	fish wastes fertilise the crop field while waste from crops & poultry	
Day - 2	fish - prawn culture : prawn can be cultured in ponds primarily meant for carp culture	Excreta of crops forms food for prawns - Extra income we can	
Day – 3	fish - poultry : Horse poultry farm is constructed over a flat form built of bamboo stiers	This facilitates the direct fertilization of pond by droppings of	
Day – 4	Rice - fish cultured simultaneously : Rice varieties ADT6 , ADT7, Rasarani are used	Channa striatus Clarius, Catla are generally growth along with ditches	
Day – 5	Rotational Rice & fish culture Rice fields are converted to fish culture ponds after harvesting	Soil become fertile with excretes of fish improves Rice yield	
Day –6	coconut (or) Banana : fish culture :- Canals in between the rows of plants are utilised for fish cultures	It provides continuous water to plants & utilisation of space and gives	

WEEKLY REPORT

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

Objective of the Activity Done: integrted fish-forming techology

Detailed Report: culturing the fish in association with agriculture or ducks or chicken or pigs or praans is called integrated fish or mixed culture. fish wastes are fertilize the crops and poultry hicks are used as feed by fish.

=> individually these forming methods may yield law income. but. intigrated forming technique yields. maltipal products of nutritional value and economic significance.

=> praun can be cultured in ponds primarity ment for carp culture. carps are not predators.

=> their excrated forms food for prawns. this feciliates. additional income of RS. food for praans.

=> this facilitates. additional income of RS 15000 per hetor. fish poultry is also a better integrated forming as poultry waste are used as bood for 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 caused by infectin of feribacteria.	Characterstic growth of white cotton like filaments around the mouth	
Day - 2	furunculosis: This is caused by infection of aeromonas salmonicia	Blisters with water or pus are formed at the site of infection	
Day - 3	Tuberculosis: This is caused by infection of Aeromonas salmo-	disease inidentifies by finrot, wounds on body blisters, loss of	
Day - 4	tuberculosis: this is due to infection by mycobacterium	Bulding of belly due to accetation yellow colour liquid in body	
Day - 5	Dropsy: initially it is due to viral infection & Secondary infection	identified by formolin of spots over body, scales fall of & mass	
Day - 6	Columnais: this is due to infection of bacteria chlororocous:	Chemical bath of infected fish & using antibonds fishes can be cured.	

WEEKLY REPORT

WEEK – 12 (From Dt..... to Dt.....)

Objective of the Activity Done: Bacterial diseases & prophylatic measures

Detailed Report: Bacteria, virus, protozonos are common parasite seen harbouring the fishes. Infection by pathogens cause retardation of growth & some times death of fish with leads to loss for cultivators.

=) cotton mouth disease, furunculosis, fin or tail rot disease, tuberculosis, dropsy, columnaris are the various bacterial diseases of fishes.

=) Their symptoms are like wounds on body, blisters over the internal organs, spots over the body, Broken fin rays, & cotton moulds at mouth & mass mortality of fishes also sometimes seen.

=) due to these bacterial disease, their symptoms vary from different diseases.

=) prophylactic measure:-

=) General drugs used to cure the disease are Sulphanilamide, Sulphadigene, Sulpha marine etc.

=) 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 important for learn-ings and doing Job (or) any other work, God environment is always boost up your interest. A working environment is the setting social features and physical features in which you perform your job. those elements can impact feelings of well being, work-place relationps, collaboration and effieiency and employee health. the office more comfortable and improving your communication. the work environment impacts may ~~good~~ mood, drive, mental health and performance, my confidence is increased, Overall environment is good at fishery dept. through positively influence entire work in improve my communication.

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

Internship provide valuable personal experine and allow us to test theories and concepts we have been introduced to throug out our college caree skills we have picked up during cayase - area is

Real time skills

1. Communication
2. collaboration
3. time management
4. critical thinking
5. patience

Technical skills

1. Data collection
2. Harvest time
3. Data entry
4. fish Health
5. Laboratory equipment
6. fish culture

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

=) Open communication and mutual support are 2 characteristics of good team work contribute to ~~idea~~ increased job satisfaction and active and active management of idea sharing among the people.

=) A succesful and qualified intern needs to have willing ness to learn.

=) Internships are introduction to career fields that have the capacity to teach really valueable lessons for an interns future career path.

=) It teaches us to be great ~~its~~ tensers who know how to take decision.

=) Showing willingness to learn work experience at fields to offer the most Employee.

=) Every learning opportunities that comes our way familiralize ourself with varrious 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 other's.

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 comment and pay close attention to what you say and how you say it.

written things down:-

=> take a note while you are talking another person (or) when you are in a meeting in the internship.

Body language matters:-

=> This is imp for face to face meeting and for also video conference make sure that appear accessible, so happy 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 terms of clarity of thought, expression and aptness of language.

Importance of Interpersonal Skills:-

=> Interpersonal skills reflect ability of individual to interact with other members of group in a brief situation.

=> Emotional maturity and balance promotes good interpersonal 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 some skills.

Leadership skills:-

=> Ability to take leadership roles and lead, inspire caring team along to help them achive group objectives.

Analytical skills:-

=> Ability to analyze and presude other's to see problem from multiple perspectives with out 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 includes equipment and practises used for finding harvesting handling, processing and distributing of aquatic resources and their producer processing technology helps reduce food loss and waste, thus reducing pressure on fisheries resources and fosting sustainability of sector, processing offer results in quantity of by products.

⇒ Harvesting of aquatic resources and production is done either in wild (or) in controlled environments estimators can be made quickly, meaning fish spend less time out of the water, increasing their survival rate. technologies like Genomics and genetic analysis are useful technologies for improving productivity and the quality of aquaculture products. SNPs shave been emerged as genotyping technology which is widely used lab equipment like Salmometer, pH meters helps in maintain the quality, salinty of water before introduction of fishes in pond for culture tests includes Nitrate test will help to identify Nitrate levels in pond /in culture.

Student Self Evaluation of the Short-Term Internship

Student Name: D. purna **Registration No:** 202200104022

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

Date of Evaluation:

Organization Name & Address: fishries 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** ✓

Date:

D. purna
Signature of the Student

Evaluation by the Supervisor of the Intern Organization

Student Name: D. purna **Registration No:** 20220010U9022

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

Date of Evaluation:

Organization Name & Address: fishries department office, Sklm.

Name & Address of the Supervisor with Mobile Number K. Gangadhara Rao, FDO srikakulam, 9866089765

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

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

Rating Scale: 1 is lowest and 5 is highest rank

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

Fisheries Development Officer
Srikakulam
DL.....
Date:

Signature
K. GANGADHARA RAO
E.I.D. No: 0104 104
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: D. purna
Programme of Study:
Year of Study: 2020 - 2023
Group: B.Sc (BZC)
Register No/H.T. No: 202200104902 2
Name of the College: Government Degree college (men) Srikakulam.
University: Ambedkar University
Dr. BR

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. purna
Programme of Study:
Year of Study: 2022 - 2023
Group: BZC (TM)
Register No/H.T. No: 202200104049022
Name of the College: Govt. Degree college (men), Srkm
University: Dr. B.R. Ambedkar University

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

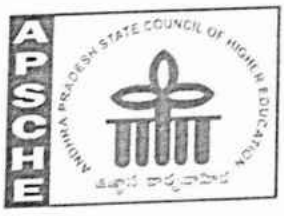
Signature of the Faculty Guide

Signature of the Internal Expert

Signature of the External Expert

(K. GANGADHARA RAO)
E.L.D. Dy. Director
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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