

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: Pooja Laxmana Rao

Name of the College: Govt. Degree college (men), Srihikulam

Registration Number: 202200156 2024

Period of Internship: From: 12-12-2023 To: 10-04-2023

Name & Address of the Intern Organization Department of Agriculture
[RBK], Bankam, Srihikulam

Dr. B.R. Ambedkar **University**
YEAR

An Internship Report on

Department of Agriculture [RBI]

(Title of the Semester Internship Program)

Submitted in accordance with the requirement for the degree of

B.Sc [MCAC]

Under the Faculty Guideship of

Smt. R.S. Goldina

(Name of the Faculty Guide)

Department of

Govt. Degree college (men), Arikkulam

(Name of the College)

Submitted by:

Padda. Lakshmana Rao

(Name of the Student)

Reg.No: 202200156 2024

Department of IIIrd BSC [MCAC]

Govt. Degree college (men), Arikkulam

(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, Padda Lakshana Rao a student of Internship
Program, Reg. No. 2022001562024 of the Department of IIIrd BSc (MCAC)
College do hereby declare that I have completed the mandatory internship
from 12-12-2022 to 10-4-2023 in RBI (Name of
the intern organization) under the Faculty Guideship of
Agriculture (RBI) (Name of the Faculty Guide), Department of
Govt. Degree College (men), Sirihakulom
(Name of the College)

P. Lakshana Rao
(Signature and Date)

Official Certification

This is to certify that padma lakshmi Rao (Name of the student) Reg. No. 2022009362024 has completed his/her Internship in RBK (Name of the Intern Organization) on Department of Agriculture (Title of the Internship) under my supervision as a part of partial fulfillment of the requirement for the Degree of BSc (MCA) in the Department of Govt. Degree College (men) (Name of the College).

This is accepted for evaluation.

(Signature of Faculty Guide)
Dr. D. Lakshmi Rao
Department of Agriculture
Govt. Degree College (men)
Srikalahasti

Endorsements

Faculty Guide

Head of the Department

Principal

Certificate from Intern Organization

This is to certify that padma Lakshmi Rao (Name of the intern)
Reg. No 2022001562024 of Govt. Degree College (Name of the
College) underwent internship in Agriculture Department (Name of the
Intern Organization) from 12-12-2022 to 10-04-2023

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

Authorized by P. D. Acharya Assistant
Internship 10-04-2023 Date and Seal

Acknowledgements

The Agriculture in Township report is the result of an and at a any two. month it would not have been possible without the participation assistance at numbers because and colleagues people a long the I have to than all

first and foremost I would like to give special gratitude to my parents who give me every opportunity to keep my step a head

I am indebted to my college. Agriculture and the teachers and the principal for their vision encouragement and ending continuous interest in the internship

Special must be give to the Teachers and students at Kargil. Agriculture director for their feedback and support with which I achieved skills and development. last and most importantly I would like to all those who made this report possible and become a reality with their kind assistance.

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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.

1st week :- Ibrahimbabad RBK villages, pudivala, Lankam 78 acres, vakalavalu - 18 ac, lingalavalu - 24 ac, Bandivanipeta - 116 ac total - 618 ac. total farmers - 588, undergone e-KYC - 528 purchase of grain through "RBK" minimum support price for general type per 100 kg - 2010/- per 80 kg - 1632/- quality parameters to get MSP are followed by central government

2nd week :- Current demand of RBK - Rabi season 22.23 is 359 ac, groundnut - 75 ac, maize. Lankam (OTP) 4 acres other pulses - green gram, black gram, finger millet, dearam etc, serial crop paddy - 42 acres. Dr. V.S.R polam Rabi - 30 farmers 25 acres field is needed, 1cm = 2NM + 2PM + 2WM + 2WH + 2FM

3rd week of seed germination :- The process of seed developing into new plants.

Seed dormancy :- Having all favourable conditions to germinate but unable to germinate

Treatment :- Scarification, stratification, chemical method treatment.

CHAPTER 2: OVERVIEW OF THE ORGANIZATION

Suggestive contents

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

- * Introduction of the organization :- Government of Andhra Pradesh has launched Raithu Bhagasa Kendram [former Assistance centres] on May 30th of 2020 year. The government has started 10,641 RBK's across the state with an outlay of 200.000 crores.
- * Vision mission, and values of the organization :- A.P. is predominantly an agrarian state launched this scheme to bring more transparency, quality of service to the farming community. The centres will offer services like delivery of inputs to the farmers with 24-28 hours of ordering through kiosks, chat machines, technical advisories and an attempt to bring the agriculture extension system more closely to the farmers.
- * Policy of the organization, in relation to the intern role :- Earlier, this year the government has recruited agriculture assistant, Horticulture assistant, veterinary, fisheries assistant. Having qualification in their respective fields to work at RBK's.

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.

Activities which are occurred in "R&B" are important for our future skills with acquiring the knowledge mainly we have learnt about paddy procurement processes

moisturemeter working condition, soil testing, colombari & crop

moisturemeter :- This is a machine which calculates the moisture content of food grains. this is universal type. this is a part of procurement of food grains. nearly types of samples moisture can be calculated by this electronic machine volume A, B, C & D cups are present by applying - different pressures for different sample of grains by using the above 4 different for volume cups for example for paddy by using the above B cup is used applied with the pressure of 525 & there also having code for these. pressure can be adjusted with vertical scale & circular scale volume 12 cup B used for measuring the moisture in groundnuts with a pressure of 450

collection of soil samples for soil test :- The soil is taken from the field having dust particles at well levelled field soil is taken for soil test should be conducted for every 3 to 4 years for large of field 10 to 15 soil sample are taken in a polythene cover & divide the soil into 4 parts. then 1st & 3rd part is removed and spread the remaining as usually an now divide in to 4 parts now remove the 2nd & 4th part of soil up to the soil is condensed..

ACTIVITY LOG FOR THE FIRST WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day - 1	karib - Basic data & map Lankam - vahavala & a village	Total no. of farmers 528 Total land is 618 acres.	P. Dinye
Day - 2	Lankham - 78 acres. vahavala & a - 180 acres lingavala & a - 244 acres <u>618 ac</u>	Crop details paddy - 610 acres Sugarcane - 3 acres grapes - 5 acres.	P. Dinye
Day - 3	purchase of gain through vithu Bharosa kendras.	minimum support price notified type. for quintal 2000 for 80 kg - 1632	P. Dinye
Day - 4	quality parameters to be followed to get support price	The maximum allowed by central government is 10% i.e. soil & stones.	P. Dinye
Day - 5	support price for other agriculture products Registration done in RBK	crops available prices purchase periods	P. Dinye
Day - 6	for purchase of gain by registering in co-op who have completed KYC	Total farmers - 528 farmers who - have undergone C-KYC are 528	P. Dinye

WEEKLY REPORT

WEEK - 1 (From Dt..... to Dt.....)

Objective of the Activity Done:

Detailed Report: Rbk. LANKKAM Village:

→ Lankkam - 78 ac → Vatalavalasa - 180 ac → Lingalavalasa - 244 ac

Total no. of farmers - 588 - farmers undergone e-KYC - 528

purchase of grain through Rukhu Bhavasa kendras

The grains conforming the quality standards prescribed by the government of India is procured from the market, the farmers have to prepare their grain in such way that it meets the quality standards. Grain will be purchased only from farmers who have registered & completed e-KYC & are ready to sell their grain. It is arranged for transportation. According to government calculations, the amount is paid directly into the farmers' account along with grain money within 21 days. MSP for general type is ₹1000 per kg - 2000 for ₹1623

quality parameters to be met to get support price:-

quality standards should be based on central government

→ waste soil rocks → spoiled discoloured, sprouted

3) immature, shriveled, curled grain

4) moisture level should be below 12.0

ACTIVITY LOG FOR THE SECOND WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day - 1	method of procurement of grain	The amount of grain sent by the farmer within 21 days will be deposited in the	P. Dinesh
Day - 2	current secretary of Ibrahimbad Lankham RBK	Rubi section is 354 ac major crops ground nut 75 ac Lankham (maize)	P. Dinesh
Day - 3	Y.S.R. Polam Bandi u then ob polam bandi 30 farmers 25 acqrd field	→ Healthy crop cultivation → working friendly → weekly crop monitor	P. Dinesh
Day - 4	LCM + Lm + IPM + Wm + Lwm + FM	Integrated crop management = Integ - rated + pest manage - ment + water + weed	P. Dinesh
Day - 5	Polam Bandi - field study now is it conducted (Teaching method)	participatory learning experiential learning sharing of experiences farmers facilitators.	P. Dinesh
Day - 6	14 weeks of polam bandi field study	introduction team building Ago ecosystem and yield field visit	P. Dinesh

WEEKLY REPORT

WEEK - 2 (From Dt..... to Dt.....)

Objective of the Activity Done:

Detailed Report:

Method of procurement of grain :- The quality standards of grain should be checked at the Rythu Bhavasa Kendra. The available vehicles should be scheduled by VAA. At given scheduling time, technical assistant with help of VAA should collect the grain from farmer's threshing floor (2kg) & bring it to RBK. The farmer should take the available vehicles & load the sacks of grain. Sacks should be weighed & send the copy to data entry. According to gross weight, the truck sheet will be generated & the print is given to the farmer.

Current scenario of Tankham RBK :- The revenue village area of RBK under irrigation 22-23 is 359 acres. Groundnut - 75 acres, maize - Tankham irrigation canal. The seasonal crop paddy is also cultivated under this RBK.

M.S.R. Palam Bund

- 1) participatory 2) experiential 3) sharing of experience
- 4) group dynamics 5) forming & facilitating

ACTIVITY LOG FOR THE THIRD WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day - 1	crop classification	→ Annuals → Biennials → Perennial	P. Dinye
Day - 2	criteria for essentiality essential nutrients.	macro nutrients. C, H, O, N, P, K, S, Ca, Mg micro nutrients. B, Zn, Mn, Fe, Cu, Mo	P. Dinye
Day - 3	fertilizers application	→ Time of application → place of application → Amount of application	P. Dinye
Day - 4	seed germination seed dormancy - treatment methods.	scarification stratification chemical method treatment	P. Dinye
Day - 5	Deficiencies of macro primary elements N, P, K	nitrogen - yellowing of leaves phosphorus (P) - purple potassium (K) - dieback	P. Dinye
Day - 6	INTOR cropping - To get. Top cropping - more field mono cropping Multi cropping	Cereals - pulses. To escape from pests & diseases.	P. Dinye

WEEKLY REPORT

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

Objective of the Activity Done:

Detailed Report:

Crop classification :- 3 types

1, Annuals 2, Biennial 3, perennials

* Annuals :- The crop which completes its life cycle in a year. Eg:- Tomato, maize

* Biennials :- The crop which completes its life cycle in two years. Eg:- Carrot, Beet

* perennials :- The crop which complete its life cycle in two or more years. Eg:- Mango

critical for essentiality :-

In absence of one replaced by another element must be directly involved in metabolism of plants. seed germination the process of seeds developing into new plant

seed dormancy :- Have all favourable conditions to germinate but unable to do so.

* Scarification

* Stratification

* Chemical method treatment.

ACTIVITY LOG FOR THE FORTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day - 1	Groundnut Scientific name <i>Arachis hypogaea</i> .	→ Major oil seed crop → A popular food in production → mainly grown in chittoor, kurnool,	P. Divya
Day - 2	Constraints in groundnut cultivation and productivity	→ Lack of agricultural mechanization → Lack of micronutrient management.	P. Divya
Day - 3	Suitable climate for groundnut (peanut)	→ Areas with low humidity are most suitable for groundnut.	P. Divya
Day - 4	Climate	- It requires 500-1000 mm of rainfall - Average temperature of 25-28°C are	P. Divya
Day - 5	Soil & Suitable for groundnut crop	→ Light soils → Soils with calcium & sulphur are ideal	P. Divya
Day - 6	Soils which suit best to grow groundnut. High organic matter	→ Sandy loamy soils are best & red loamy soils → pH 6.0-7.5 are best.	P. Divya

WEEKLY REPORT

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

Objective of the Activity Done:

Detailed Report:

Groundnut - *Arachis byegaea*

Groundnut is the major oil seed crop grown in our state. Among the groundnut growing states in India, Andhra Pradesh ranks third in production and eighth in productivity after Gujarat & Rajasthan. It is grown in 7.35 lacs. hectares in the state & produces 10.48 lacs tonnes. This crop is mainly grown in Anantapur, Chittoor, Karnol, and Y.S.R. Kadapa.

constraints in groundnut cultivation and productivity.

1) Non-cultivation of water stress resistant varieties in groundnut.

2. Lack of agriculture mechanization.

3. Lack of proper water & micronutrient management at night time.

climate and soil.

* Areas with low humidity are most suitable for groundnut.

* Average temperature of 25-28°C are suitable.

* It requires 500-1200 mm of rainfall.

* Light soils i.e. sand with calcium & sulfur are ideal.

* Sandy loam soils, red loamy soils are best.

ACTIVITY LOG FOR THE FIFTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day - 1	Soil preparation, season condition, varieties, duration (periods)	Deep weeding in summer can reduce the incidence of crop-damaging	P. Divya
Day - 2	Groundnut sowing time & seed dose	neeth coast early kharif / summer march: april kharif: june - july. Rabi - Nov - Dec	P. Divya
Day - 3	Seed dose and sowing time	Rajala Seema (South east of coast sowing once) kharif - first week of July.	P. Divya
Day - 4	Seed dose of groundnut.	Seed rate is determined by seed size. Sowing time of variety the seed rate required is 12-16 kg	P. Divya
Day - 5	Seed treatment of groundnut	100 kg seed one gram of carb. canorak of 3 grams. ob. mancozeb rich o. d. powder.	P. Divya
Day - 6	Seed treatment before sowing the seeds of groundnut.	seed should be treated	P. Divya

WEEKLY REPORT

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

Objective of the Activity Done:

Detailed Report:

Groundnut soil preparations

* Deep weeding in summer can reduce the incidence of crop damaging insects and pests.

* Before sowing the soil should be levelled.

Time of sowing :- North coast : Early kharif / summer - March to April kharif : June - July. Rabi : November to December 15 (upto Rayalseema (South & low rainfall zones).

Kharif : first week of July - August, Rabi : upto Nov - Dec 15.

Seed dose :- Seed rate is determined by seed size.

Sowing time & variety, Narayani, Kadin, I.C.G.V 91M, dharani, greeshma, Rohini Abhaya, prab, Kadin-9, T.A.G. 24, kodiramaravathi, dheeraj, Bheema, kodini-7 & Beldal - The seed rate required is 52-56 kg in kharif & 70-76 kg in Rabi.

Nityagharthi - Seed rate in Kharif - 60-61 kg Kadin amaravathi, Harithandra, dheeraj - In rabi 80-84 kg. Bheema variety seed dose in kharif 64-68 kg, Rabi - 90 kg is required.

ACTIVITY LOG FOR THE SIXTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day - 1	Based on plant spacing of groundnut	no. of plants per unit of land P.P = $\frac{10,000}{B/w \text{ plant} \times \text{spacing}}$	P. Binye
Day - 2	Deficiency symptoms of nitrogen, phosphorus & potassium	N - yellowing of leaves P - purple colour K - Discolouration of leaves	P. Binye
Day - 3	water management of peanut crop	Groundnut requires less of water & a top 10cm is sufficient for light soil Irrigation (60% - 70%)	P. Binye
Day - 4	water management in groundnut crop	If water is given through sprinkler 25% of crop will increase in yield along with water.	P. Binye
Day - 5	Inter cropping Trap cropping mono cropping multi cropping	- more yield - To escape from pests & diseases. In crop is grown in field for year	P. Binye
Day - 6	Inter cropping pattern of crops.	Castor, pearl millet, soya bean - there can be intercropped with groundnut. By this the various preceding is	P. Binye

WEEKLY REPORT

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

Objective of the Activity Done:

Detailed Report:

Removal of seed dormancy in groundnut seeds:-
Varieties (Kadiri-7, 8, 9) seed 5 mm. ethereal (100%)
Mixed in to liter of water & soaked in solution for 12
hrs & dried in shade & then seeds are sown. (or) (39%)
Elephan, 125 ml mixed in 3 lit of water & spray on
100 kg of seed in airtight bags one night (12 hrs)
& next day in shade & they are sown.

sowing method & plant spacing:- the seeds should
be sown either with a furrow (or) tractor driven seed
drill. At the time of sowing, the soil required enough
moisture, & the seed should not be sown more than
5 cm deep. If a tractor drive is used, not only a large
area can be sown in a short time, but also the
cost can be reduced. significantly.

Fertilizer :- Nitrogen (In form of urea) - 3(18)-
rainfed crops 12(27) - Irrigation Crops - 20(104)

Fertilizer doses should be decided on soil test.
The following fertilizers are used - Nitrogen (In the
form of urea), phosphorous, potash, gypsum, zinc
sulphate.

ACTIVITY LOG FOR THE SEVEN WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day - 1	Seed dormancy in groundnuts. Removal of seed dormancy is seeds of groundnut.	Dormant varieties, [Haciara-7, 8, 9] seed and ethereal (100%) mixed in 10 litres of water & soaked in soil	P. Dinye
Day - 2	Seed dormancy removal in groundnut seeds	30% ethereal, 12.5ml mixed in 3 litres of water & soaked in of seeds.	P. Dinye
Day - 3	plant spacing and sowing method in groundnut	even in early harvest Bhoma, deepa, nitya kanta varieties. plant spacing (sown)	P. Dinye
Day - 4	sowing seeds of groundnuts.	The seed should be sown either with a harrow.	P. Dinye
Day - 5	fertilizers (useful) for groundnut crop	fertilizer doses should be decided on soil test, peanuts require following	P. Dinye
Day - 6	fertilizers useful for groundnut crop	urea 8(15) 12(27) phosphorus 16(100) 16(100) potash - 20(32) 20(32) gypsum - 200 200	P. Dinye

WEEKLY REPORT

WEEK - 7 (From Dt..... to Dt.....)

Objective of the Activity Done:

Detailed Report:

Water management in groundnut crops:-

Groundnut requires 400-450 mm. of water, & for light soil 8-9 taps are sufficient. Before sowing, the soil should be watered well & the seed should be planted when it is wet enough. Second watering should be done 20-25 days after sowing then, watering should be applied at intervals of 7-10 days depending on soil characteristics & day soil percentage. The last wet should be given 15 days before harvest. From the stage at landing of pods to the stage of ripening nuts. The seed is sensitive from 45-50 days to 85-90 days. So, in this stage of water should be properly in proper amount. If water is given through sprinklers, 25% Crop water saving & yield increase. In case of drip cultivation, drippers should be placed at a distance.

Pattern of Crops & Inter Cropping :- Redgram, castor pearl millet sorghum can be intercropped with groundnut. By this the virus spreading will be reduced. The areas affected by North. east monsoon, kharif.

ACTIVITY LOG FOR THE EIGHTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day - 1	Environmental analysis of groundnut field	peanuts contain many insects that are very harmful insects.	P. Dinye
Day - 2	Groundnut field environment analysis.	The major are predators pests of pathogen and predators spiders. Aphid, Symphid	P. Dinye
Day - 3	pests in groundnut. → Ecema mites → Aphid / black fly	Symptom. Such juice of leaves control - spray monocrotophos 320 ml + neem oil in 200 litre water.	P. Dinye
Day - 4	pests - symptoms / control → leaf hopper - mealybugs → leaf curl / folder	Symptoms. Both mother & young child take it. and first seen the under side of leaves.	P. Dinye
Day - 5	→ Red caterpillar → Tobacco caterpillar Symptoms / control measures.	Symptoms. caterpillar gal. leaves the leaves show. Symptoms. - more control 320 ml.	P. Dinye
Day - 6	Disease in groundnut Symptoms & control measures. → Tikka leaf spot disease. → Stem rot virus.	Symptoms. dark brown necrotic spots of leaves. Helicoverpa. Symptoms. small red coloured bursters leaves.	P. Dinye

WEEKLY REPORT

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

Objective of the Activity Done:

Detailed Report: Environmental Analysis of groundnut-field. Peanuts contain friendly insects that destroy harmful insects. The major ones are predators, parasites, pathogens, spillers, aphids, weevils, syrphids are 4 types of predators. Trichogramma, Telenomus destroy the larval stage.

parts of Ecymanites Symptoms of suck the juice of leaves, curling shrivel of leaves and plants will become stunted.

Control measure of peraeere monocrotophos.

320 ml + neem oil 1 lit + 1 kg soap powder per 200 liters of water. The seed should be sprayed 2 times in 10 to 15 days interval.

Black fly:- As clusters they suck the sap.

Leaf hopper: Symptoms: Both young & mother caterpillars suck sap on the underside of leaves, and form as clusters on leaves & suck sap. Imidacloprid 60 ml.

Leaf curl/folder:- Leaf curl is expected after sowing of 15 days mother worms are gray in colour. In the first stage there are brown spots.

ACTIVITY LOG FOR THE NINTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day - 1	How is digital kiosk useful which Apps are used in kiosk	Emato, CNAPP, fishery, Animal, Hstg banding, marketing, tel head, fertilizers to find video.	P. Dainye
Day - 2	kiosk Importance	- Information on certified agricultural products available for villages facility of online purchase & delivery.	P. Dainye
Day - 3	Agriculture Against net portal services of kiosk	- providing weather information - facility to know the market prices of agricultural products.	P. Dainye
Day - 4	current Agricultural schemes undergoing of Zborohim bad RBl, and Lankkam, Saitakulam.	- YSR Raitu Bhoraga - YSR zero interest loan - nation food security machine.	P. Dainye
Day - 5	Scheme:- YSR Raitu Bhoraga. 7500/- , 4000/- , 2000/-	Under AP to financial assist farmer by depositing on amount of 13506 for annum in 3 installments.	P. Dainye
Day - 6	who are eligible for Raitu Bhoraga	cultivators belonging to landless SC, ST, backward minority communities, landless alike.	P. Dainye

WEEKLY REPORT

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

Objective of the Activity Done:

Detailed Report:

Digital KIOSK & ~~its~~ Its uses.

Apps - EMAID, EMAPP, fishery, Animal husbandry etc.

* Information on certified agricultural products available for villages.

* Facility of online purchase & door delivery.

* Providing weather information.

* Facility to know market prices of agriculture products.

* Agriculture AgriS net portal services.

Current Agriculture scheme undergoing at Itrahimbad Ra:

* Dr. Y.S.R. Raithu Bharasa * National food security mission

* Dr. Y.S.R. Zero crop loan interest * Soil health card scheme.

* Dr. Y.S.R. Raithu Bharasa:- It is a program launched by govt. of A.P. to financially assist farmers by depositing an amount of 18,500 per annum in three instalments.

in association with P.M. Kisan with state government contributing 7500 & 1000 cultivators belong to

landless SC, ST backward & minority communities

landless cultivators are also eligible for

Raithu Bharasa.

1. Karif - first instalment - 7,500 PM - 5,500, CM - 2000

2. October - second instalment - 4000, PM - 2000, CM - 2000

ACTIVITY LOG FOR THE TENTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day - 1	Y.S.R Zero Interest Crop loan scheme.	Farmer bank is. State govt. 1% & central govt. 3%. pay the loan of farmer's bank. it's called zero crop loan.	P. Dimple
Day - 2	Eligibility of the scheme objectives & benefits.	main objective of scheme is welfare of the farmer across the state loans provided under this are interest free.	P. Dimple
Day - 3	Y.S.R zero interest crop loan scheme. Details	E-crop registered farmer are eligible. launched by crjag mohan odedy.	P. Dimple
Day - 4	National Food Security Mission [NFSM]	Authorized by central govt. of India. launched in 2007. based on economic relation of agriculture subcommittee.	P. Dimple
Day - 5	Objectives of NFSM (National Food Security Mission)	Increase yield by increasing cultivation area & productivity. Increase the confidence of farmers.	P. Dimple
Day - 6	NFSM main point.	Setting up of community demonstration farms to achieve high yield with low investment. high productivity.	P. Dimple

WEEKLY REPORT

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

Objective of the Activity Done:

Detailed Report: An K.S.R zero interest loan scheme e-crop registered farmers are eligible for this scheme. Loan is 74. K.S.R zero interest. crop loans launched by the cm K.S. Jagan Mohan Reddy the scheme is mainly launched for the farmer across the state under this scheme all the farmers who take crop loans up to Rs. 1 lakh & repay the same within 1 year will be covered interest subsidy will be provided to be beneficiary farmers under this scheme

Benefits:- It aims to free the farmers from vicious circle of money lenders rather government will directly provide them interest subsidy loan taken. loan provided under this scheme are interest free national food security mission; Authorized by central govt. of India launched in 2017- Based on recommendations of agriculture subcommittee. the NPC national development council.

ACTIVITY LOG FOR THE ELEVENTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day - 1	Soil conservation scheme Soil Health card scheme	of the year 2019-2020 The govt of India Selected one village pilot project on SHC.	P. Dimple
Day - 2	SHC (Soil Health card scheme)	Analysis of Soil samples is Soil samples provide Soil analysis. before planting 2500	P. Dimple
Day - 3	Will create steps in Soil testing	collection of Soil samples Testing in the laboratory.	P. Dimple
Day - 4	collection of Soil samples	Soil samples for Soil test should analyzed in a scientific manner full by time	P. Dimple
Day - 5	when the Soil can be collected? (samples)	Soil samples can be take at any time while the fields are empty	P. Dimple
Day - 6	when to take the Soil samples.	Soil samples should be collected before sowing or after harvesting	P. Dimple

WEEKLY REPORT

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

Objective of the Activity Done:

Detailed Report: soil health card scheme (or) soil conservation

For the year 2019-2020, the government of India selected one village per under village pilot project and SHC & calculate of soil samples from every field. Analysis of soil samples in soil laboratories & provision of soil analysis documents before planting. do not provide documents Rs - 2500 per hectare for each demonstration field.

Different stages in soil testing.

- 1, collection of soil samples
- 2, Testing in the laboratory
- 3, Fertilizer recommendations based on results.

Collection of soil samples :-

soil samples for soil tests should be analyzed in a scientific manner followed by time & the collection site. All precautions should be taken in soil collection.

When the soil samples can be collected?

* soil samples be taken at any time while the fields are empty.

* It is better to pick soil during the summer season.

ACTIVITY LOG FOR THE TWELVETH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day - 1	How much depth should be soil samples taken?	It depends on the crops we grow & nature of soil. agricultural opps 6-inches soil.	P. Dimpf
Day - 2	Tools to collect soil samples.	Soil samples can be taken with the help of shovel, pickaxe. available to farmer.	P. Dimpf
Day - 3	Soil samples depth how much? How to collect samples?	For field soil is ok. Same types, it is enough to take one sample to 10 acres.	P. Dimpf
Day - 4	Soil samples collection	The soil should be removed in a thin layer from top to bottom similarly soil.	P. Dimpf
Day - 5	How the results of soil samples can be known?	The details of farmer related to soil sample collection should be registered.	P. Dimpf
Day - 6	Soil test results (HC (Custom Hiring centre) - sanctioned by government.	The details of farmer who have collected the soil sample & the analysis results of soil sample.	P. Dimpf

WEEKLY REPORT

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

Objective of the Activity Done:

Detailed Report:

Depth of soil samples collection :-

* It depends on the crops we grow & nature of the soil for agriculture crops - 6 inches, for fruits gardens - 5-6 feet (one sample per one feet)

Soil samples can be taken with the help of shales pickaxe available to farmers. Soil type, colour, irrigation water availability, depth, cultivation methods variation in crop yield should be taken separately. All the equals should be different when the field on basic. When the whole field is of same type. It is enough to take one sample for 5 acres. To collect soil sample - garbage, weeds etc should be thrown away. Dig a V-shaped hole, 6-8 inches deep using shovel. Zig-zag method. The soil should be removed in a thin layer from top to bottom similarly soil should be collected from 10-12 places. The details of farmers related to soil.

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 & doing any work in an organization. Good environment is always boosting up your interest. The RBK office is more comfortable and improving my interest of going with the overall environment. It is good. It feels good to interact with the farmers. It feels there is a good interaction with my classmates and the faculty members in the organization. Minimum facilities are available like fan, light, tables, chairs, computer, green board, blackboard etc... As a student, the protocols are wearing a college uniform & ID card. Neatness should be in the internship house. We have participated in the plan work programme organised by the Agriculture department of AP. As a science student, knowledge of farming is much more important (necessary) for my better future. My supervisor had motivated me to the work & always encouraged me to complete the tasks.

Ventilation is good for that organization whenever the teacher has assigned the group work, we will complete it as a team work with a combination of every one's ideas which is helpful for enhancing my leadership qualities.

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

During my internship, I had acquired both hard skills and soft skills are required to stand out from others in the industry be it an interview or on the workplace. Agriculture sector demands skillful players. I gained key skills that are necessary to move forward. Technology based skills, versatility, time management & organisation skills, managing data, adaptability are the basic skill which I attained. This mainly includes acquiring tech. based skills on things such as irrigation, use of pesticide, improving methods & techniques of cultivation, harvest, storage and transport.

* How to put my abilities (or) knowledge used to perform practical tasks, in the areas of science.

* How important smart agriculture technology is,

* How to use the technology in agriculture with the aim of improving yield, efficiency & profitability.

* Understanding workplace culture.

* Benefits of modern technology in terms of Agriculture.

* Interpersonal skills - Interact well with others

* Time management is important - that how to divide your time between different activities by prioritizing tasks.

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).

Managerial skills. I have acquired in terms of planning is one of most important skills. For managers. It is all about defining the goals of organization. It includes vision, plan for future leadership skills, are focused on power & ability to lead other people. Time management is one of the main important role in everyone's life. In this organization, the time was well-utilized. So, I attained how to utilize the time i.e., time management, Team work - total team depends on this, An organization development depends on team work in this organization, the people are very supportive to each other. Behaviour means the way you communicate, being patient, balancing & time management, I had attained to being patient & communicate. I have acquired a time management skill how to plan & how to divide time between various tasks. Improvement in competencies is to attain motivating others, written communication, Honesty, vision, creativity, & delegation. I learned a good decision making skills like creativity skills. This skill takes into multiple ideas & perspectives. Understand the goal. State & choose the best course of action.

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.,)

There are many way to improve your communication skills

- * Good communication leads to good understanding.
- * Be clear and attentive. Be concise.
- * Build your emotional intelligence.
- * Be an active listener. It helps to improve communication skills.
- * Record yourself when you are communicating with others & practice.
- * Hold effective meetings, Attend workshops & online courses.
- * Body language play a role in communication skills.
- * Try not to make assumptions.
- * Body language play a role in communication skills.
- * Try not to make assumptions.
- * practice self awareness especially during tough ~~cases~~ conversation.
- * Don't be accusatory when raising an issue.
- * Get rid of those "ums" & "uhhs"
- * Making eye contact while someone talking.
- * Avoid distracting movement, keep good posture.
- * create a positive organization structure.
- * use Active voice, Be with clarity, speak directly.

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

The organization structure was so effective my subordinates and my friends helped me to cope with all challenges at work, group discussion are very well it involves sharing ideas people are connected with one basic idea. By group discussion I gained the following skills. Such as leadership skills, communication skills, social skills & behaviour, politeness, teamwork, confidence, and listening ability I enjoyed working in a discussion with group by listening well to the ideas of other speakers I learned something speaking confidence by using an appropriate tone is effective to participate in group discussion I acquired good communication skill by participate in group or team Active listening is the attention which I gained and build trust with employees & other members I learnt to being a positive mind set it leads to more knowledge of your work place. It also developed a listening skills - as a active listener, we respect others & listen to needs of my team member by leading a team/activity I learned leadership qualities speaking clearly and confidently i.e strong communication being discipline think critically, honesty, motivate these skills in very effective manner these may be very helpful in real life which I had gained during this internship period

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

The twenty first century has seen a technological revaluation the old technology is completely valished & other new one's has replaced in the sector of agriculture, the digital technology plays a key role to enhance the knowledge of farmers. Digitalization makes the farming as easy.

Annogement of digital KIOSK is also the part of technological development. we have seen in RBK's wife have digital KIOSK through which the farmers. can place the order & products like fertilizers, seeds, etc. will be delivered at the doorstep through the technological development. It will help farmers to markets the agricultural produce better, in early day's to know the moisture in food grains hot air oven is used. It takes more then two hours to calculate the moisture content of food grain. Now we are using moisture testing machine & can know the moisture of grains with in a minutes. As the technological development occurs they are giving a massive & knowledge to the farmer can also know the schens & programmes of AP Commisnoor of agriculture. The department of agriculture has been created mainly to provide agriculture extension servies to farmes and to transfer the latest technical knowledge by the global investors.

Student Self Evaluation of the Short-Term Internship

Student Name:	padda Lakshmana Rao	Registration No:	2022001562024		
Term of Internship:	RBH [unentitled]	From:	12-12-2022	To:	10-04-2023
Date of Evaluation:	15-04-2023				
Organization Name & Address:	Department of Agriculture (RBH), Bankom				

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:

P. Lakshmana Rao
Signature of the Student

Evaluation by the Supervisor of the Intern Organization

Student Name: Padda Lakshmana Rao

Registration No: 2022001562024

Term of Internship: 4 months From: 12-12-2022

To: 10-04-2023

Date of Evaluation: 15-04-2023

Organization Name & Address: Department of Agriculture (RBH), Tenkasi

Name & Address of the Supervisor with Mobile Number P. Divya mam, Lakshakulam

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
P. Divya mam
Village Agriculture Assistant
Lakshakulam

PHOTOS&VIDEOS LINK's

<https://photos.app.goo.gl/LCkiyhb1cGkmZt9x5>



Internal & External Evaluation for Semester Internship

Objectives:

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

Assessment Model:

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

the individual student's involvement in the assigned work.

- While evaluating the student's Activity Log, the following shall be considered -
 - a. The individual student's effort and commitment.
 - b. The originality and quality of the work produced by the individual student.
 - c. The student's integration and co-operation with the work assigned.
 - d. The completeness of the Activity Log.
- The Internship Evaluation shall include the following components and based on Weekly Reports and Outcomes Description
 - a. Description of the Work Environment.
 - b. Real Time Technical Skills acquired.
 - c. Managerial Skills acquired.
 - d. Improvement of Communication Skills.
 - e. Team Dynamics
 - f. Technological Developments recorded.

INTERNAL ASSESSMENT STATEMENT

Name Of the Student: *padma Lakshmana Rao*
Programme of Study: *Agriculture [RBH], Lonkam*
Year of Study: *2020-23*
Group: *3rd BSc [MCAC]*
Register No/H.T. No: *2022001562024*
Name of the College: *Govt. Degree college (men)*
University: *Dr. B.R. 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:

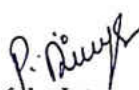
R S Addina
Signature of the Faculty Guide

EXTERNAL ASSESSMENT STATEMENT

Name Of the Student: *Padda Lakshman Rao*
 Programme of Study: *Agriculture (RBK), Lankam*
 Year of Study: *2020-23*
 Group: *3rd BSc (MCAC)*
 Register No/H.T. No: *2022001562024*
 Name of the College: *Govt. Degree College (Men), Srikalahasti*
 University: *Dr. B. R. Ambedkar University*

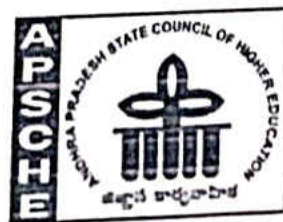
Sl.No	Evaluation Criterion	Maximum Marks	Marks Awarded
1.	Internship Evaluation	80	80
2.	For the grading giving by the Supervisor of the Intern Organization	20	20
3.	Viva-Voce	50	
	TOTAL	150	
GRAND TOTAL (EXT. 50 M + INT. 100M)		200	

Signature of the Faculty Guide


 Signature of the Internal Expert
P. Dhanu
 Village Agriculture Assistant
 Lankam RBK
 Srikalahasti

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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