

GOVERNMENT DEGREE COLLEGE (MEN)

SRIKAKULAM.



2023

Semester Internship (Long Term)

Area of Internship: Etcherla

Village : Etcherla

Mandal: Etcherla

District: Srikakulam

Faculty Guide

Smt.RS. Goldina

Lecturer in chemistry

Submitted by

Name: Ram Mohan.J

Group: 3rd B.sc [MCAC]

Hall Ticket No.: 2022001562013

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: Ram Mohan . S

Name of the College: Govt degree college for (men) Srikakulam

Registration Number: 2022001562013

Period of Internship: From: 18/12/2022 To: 18/04/2023

Name & Address of the Intern Organization

Dr. B. V. Ambekar **University**
YEAR

An Internship Report on

AGRICULTURE

(Title of the Semester Internship Program)

Submitted in accordance with the requirement for the degree of
GOVT DEGREE COLLEGE FOR (MEN) SRI KAKULAM

Under the Faculty Guideship of

SMT. R. S. GOLDINA

(Name of the Faculty Guide)

Department of

CHEMISTRY

(Name of the College)

Submitted by:

J. RAM MOHAN

(Name of the Student)

Reg.No: 2022001562013

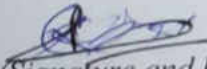
Department of ANALYTICAL CHEMISTRY

GOVT DEGREE COLLEGE FOR (MEN)

(Name of the College)

Student's Declaration

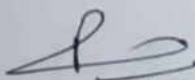
I, Rammohan Jagulla a student of four months' internship
Program, Reg. No. 2022001562013 of the Department of (B.Sc) (MEAC)
College do hereby declare that I have completed the mandatory internship
from 18-12-22 to 18-04-23 in Srikakulam (Name of
the intern organization) under the Faculty Guideship of
Revathi (Name of the Faculty Guide), Department of
(B.Sc) (MEAC), Ghat Degree College for men. Srikakulam
(Name of the College)


(Signature and Date)
✓ Rammohan J

Official Certification

This is to certify that Ram mohah. Jangulla (Name of the student) Reg. No. 202201562013 has completed his/her Internship in P-Kys, Soil testing. (Name of the Intern Organization) on Agriculture (Title of the Internship) under my supervision as a part of partial fulfillment of the requirement for the Degree of (B.Sc) McAC) Agriculture in the Department of Govt Degree college for men (Name of the College).

This is accepted for evaluation.


(Signatory with Date and Seal)

Endorsements

Village Agriculture Assistant
Etcherla (V.S), Etcherla (M)
Srikakulam (Dt).A.P-532 410

Faculty Guide

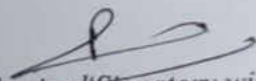
Head of the Department

Principal

Certificate from Intern Organization

This is to certify that Ram mohan . J (Name of the intern)
Reg. No 2022001562013 of Gov Degree College Etcherla (Name of the
College) underwent internship in Agriculture Etcherla (Name of the
Intern Organization) from 18-12-22 to 18-03-23

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


Authorized Signatory with Date and Seal

Village Agriculture Assistant
Etcherla (V.S), Etcherla (M)
Srikakulam (Dt).A.P-532 410

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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 : Etcherla RBK village Total farmers - 588 undergo e-KyS - 528
purchase of grain through RBK's minimum support price for general type. per 100 kg - 2040/- 80 kg - 1632/-
quality parameters to get MSP are followed by central government
- ⇒ 2nd week : Current scenario of RBK - Rabi Season 22-23 is 359 acres, groundnut - 75 acres Y.S.R Polam bati - 330 farmers
25 acres field is needed $I_{cm} = I_{NM} + I_{PM} + I_{WM} + I_{OM} + I_{FM}$
- ⇒ 3rd week : seed germination : The process of seeds developing into new plants seed dormancy : Having all favourable conditions to germinate but unable to germinate
Treatment : Scarification, stratification, chemical method
- ⇒ 4th week : Groundnut crop - *Arachis hypogaea* - major oil seed crop AP ranks third in production constraints in cultivation & productivity - lack of agriculture mechanization lack of macro nutrient management at right time time climate - low irony soils are best.

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.

A) Introduction of the organization :- Government of Andhra Pradesh has launched Raithu Bhasa Kendra (Farmer Assurance centres) on May 30th of 2020 year. The government has started 10,641 RBK's across the state with an out lay of 200 crores.

B) vision, mission and values of the organization :- A.P in particular 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-hours of ordering through trust's -CHG maintenance system more closely to the farmers.

C) Policy of the organization in relation to the intern role :- Earlier this year the government has recruited agriculture assistant, horticulture assistants, veterinary fisheries assistant having qualification in their respective fields to work at RBK's the following services are offered at RBK's

D) organization structure :- Chief minister → Spl. Chief secretary → Commissioner

→ District collector → Joint collector / J.D. Agriculture → A.D. Agriculture (Assistant) → M.O. (Mandated officer) → V.A. (Village Agriculture)

E) Roles & responsibilities of employees in which intern is placed :- Routine records prepares graphs & charts, visit fielding.

f) Performance in terms of profits & market value:-
many crops are grown acc to region & demand market
crops given incremental profit at a minimal investment
80% at production 15% wholesale 25% at retail levels.

g) future plans of the organization :- RBK
System is a giant step in bringing the system
closer to the farmers & making it more transparent.

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 carried in RBK are important for our future skills with acquiring the knowledge.

mainly we have learnt about paddy procurement processes, moisture meter working condition, soil testing, Polambadi p e-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 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 volume cups. for example for paddy short volume B cup is used. These pressures can be adjusted with vertical scale & circular scale volume D cup is 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 etc well levelled field soil is taken soil test shall be conducted for every 3 to 4 years. For 1 acre 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 road into 4 parts. now remove the 2nd & 4th part of soil up to the soil is condensed into 1/2 kg of soil for paddy fields 15cm depth is digged.

Then collecting 1/2 kg soil packet in well send it to the soil testing laboratory.

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 organisation. Good comfortable and environment is always boosting up your interest. The RBK Office is more comfortable and improving my interest of going work. The overall environment is good. I feel good to interact with the farmers. In the organization minimum facilities are available like fan, light, tables chair, computer, green board, kiosk etc. As a student the protocols are wearing a college uniform & ID card must and should be in the internship hours, we have participated in the Blambedi programme organised by the Agriculture department of AP.

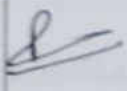
As a science student, knowledge of farming is much more importantly necessary for my better future.

My supervisor had motivated me to do the work & always encouraged me to complete the tasks.

Ventilation is good for that organisation, whenever the teacher has assigned the group work, we will complete it at a team work with a collaboration of everyone's ideas which is helpful for enhancing my leadership qualities.

I acquired and I learnt very much knowledge during this internship period.

ACTIVITY LOG FOR THE FIRST WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day - 1	Kharif - Basic data Etcherla - Revenue villages	Total no of farmers - 160 Total land is 100 acres	
Day - 2	Etcherla - 100 acres	Crop details - Paddy - 70 acres Sugarcane - 15 acres Garden - 15 acres	
Day - 3	Purchase of grain thro - wgh - Rythu Bhavasa Kendras	minimum support price normal type - for quintal - 2040 for 8 kg - 1630	
Day - 4	quality parameters to be followed to get - Support Price	The maximum % allowed by central government is 10% i.e. waste materials, soil, stone Immature corn kernel	
Day - 5	support prices for other agriculture products - Registration done in RBK	crops available - Prices purchase periods.	
Day - 6	For purchase of grain by registering in A-crop who have completed K-yk	total farmers - 160 farmers who have undergone - e-kyc are 132	

WEEKLY REPORT

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

Objective of the Activity Done:

Detailed Report:

Etcherla village Rythu Bharosa
Kendras. Total - 100 acres

Total no of farmers - 160 Farmers undergo e-kyc-130
purchase of grain through Rythu Bharosa Kendras

The grains conforming the quality standard prescribed
by the government of India is procured from farmers. If not,
then farmers have to prepare their grain in such a way that
it meets the quality standards grain be purchased only.
From farmers who have registered & completed e-kyc
are ready to sell their grain

- If sacks are arranged for transportation According to govt
- present calculations, the amount is paid directly into the
farmer's account along with grain money with 2 bags - map

for general types is per hooky - 2040/- 80kg - 1630/-

Quality parameters to be met to get support price.

quality standards should be based central government

1) Moisture level - 14% 2) Spoiled, discoloured, sprouted - 5%

3) Immature, shriveled, sullied grain - 3.0

4) Moisture level should be below 12%

All spoiled sprouted, insect eaten cereal grain must be

not more than 4% Total free number - 155251

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 bags sent by the farmers within 2 days will be deposited in Acreal Periods through DBT	
Day - 2	Current scenario of Etcherla RRB		
Day - 3	DR YSR Polam Badi 4 themes of Polam badi villages, 30 acre field	1. utility crop cultivation 2. protecting friendly zone - etc 3. weekly crop monitoring 4. making farmers pride - view in crop cultivation	
Day - 4	Scm = 5m + 2m + 1m + 1m + 1m + 1m	Integrated crop management - - Integrated: Pest + nutrient + water + weed + fertilizer + manure	
Day - 5	Polam Badi field study how is it conducted (teaching method)	Participatory learning experiential learning sharing of experience ex. farmer's facilitator group dynamics	
Day - 6	12 weeks of Polam badi field study	Introductions Team building Age ecosystem analysis field visit	

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 bazar and Kendra & the available vehicles should by help of VAO should collect the grain from farmers. Theeling floor (Bag) bring it to RBK. The farmer should take rec & send the copy to Data entry. According to grains weight, the truck sheet will be generated & the print is given to the farmer or the tractor driver should see the name of the mill in the truck sheet & send the grain to the respective mill within 24 hours. After reaching miller detects & generates Pto. In 30 days the amount of farmers bags will be deposited in direct period through DBT method.

Current scenario of Gcherla RBK :- The Revenue village area of RBK under sub division 22-23 is 190 acres. Groundnut 25 acres, maize 60 acres, pulses, green, Black gram, finger millet, Sesamum, etc. Irrigation is canal. The serial crop paddy is also cultivated in some under this RBK.

Dr. Y.S.R. Polam BADI - How it is conducted :-

- | | |
|--------------------------|--------------------------|
| 1) Participatory | 4) Group Dynamics |
| 2) Experiential Learning | 5) Farmer's Facilitators |
| 3) Farmer's Facilitators | |

ACTIVITY LOG FOR THE THIRD WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day -1	Crop classification	1) Annuals 2) Biennials 3) Perennial	
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, Cl, Ni	
Day -3	Fertilizers application	1) Time of application 2) place of application 3) Amount of application	
Day -4	Seed germination Seed dormancy - treatment methods Seed types.	Scarification Stratification Chemical method treatment	
Day -5	Deficiencies of macro-primary elements N, P, K	Nitrogen yellowing of leaves phosphorous (P) - purple colour Potassium (K) - Discolouration	
Day -6	Inter cropping - to get more trap cropping - more yield mono cropping multi cropping	Cereals → pulses to escape from pests & diseases	

WEEKLY REPORT

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

Objective of the Activity Done:

Detailed Report:

Crop classification : 3 types

(1) Annuals (2) Biennials (3) Perennials

(1) Annuals : The crop which completes its life cycle in a year
eg: Tomato, maize

(2) Biennials : The crop which completes its life cycle in two years
eg: Carrots, Beets
mango, coconut

(3) Perennials : The crop which completes its life cycle in two years
eg: mango, coconut

Criteria for essentiality :

1) In absence of one element plants do not complete their life cycle

2) one element can't be replaced by another element/deficiency

3) The element must be directly involved in metabolism of plants

Seed germination : The process of seeds developing into new plants

Seed dormancy : Have all favourable conditions to germinate but unable
treatment is of 3 types.

1) Scarification

2) Stratification

3) Chemical method treatment

Seed types : 1) monocotyledonae 2) dicotyledonae

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 - AP ranks third in production - mainly grown in Anantapur, Chittoor, Kurnool, N.S.R Kadapa	
Day - 2	Constraints in groundnut cultivation and productivity	- lack of agricultural mechanization - lack of micronutrient management at right time	
Day - 3	Suitable climate for groundnut (peanut)	- Areas with low humidity are most suitable for groundnut	
Day - 4	Climate	- It requires 500-1200 mm of rainfall - Average temperature of 21-28°C are suitable	
Day - 5	Soils suitable for groundnut crop	- light soils - soils with calcium & sulfur are ideal	
Day - 6	Soils which suit best to grow groundnut. High organic matter	- Sandy loamy soils are best p. sed. - loamy soils - pH 6.0-7.5 are best.	

WEEKLY REPORT

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

Objective of the Activity Done:

Detailed Report:

Groundnut - *Arachis hypogaea*

Groundnut is the major oil seed crop grown in our state. Among the groundnut growing states in India, Andhra Pradesh ranks 4th in production and eighth in productivity after Gujarat, Rajasthan. It is grown in 7.36 lakh hectares in the state & produces 10.5 lakh tonnes.

This crop is mainly grown in Anaparthi, Chittoor, Kurnool and Nellore.

Constraints in groundnut cultivation and productivity :-

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

2) Lack of agricultural mechanization

3) Lack of proper water & micronutrient management at right time

Climate and soil :-

1) Areas with low humidity are most suitable for groundnut

2) Average temperature of 25-28°C are suitable

3) It requires 500-1200mm of rainfall

4) Light soils & soils with calcium & sulfur are ideal

5) High organic matter containing soils are best suitable to grow groundnut

6) Sandy loam soils, red loamy soils are best

7) Soils with High organic matter & pH between 6.5-7.5 are best.

ACTIVITY LOG FOR THE FIFTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day-1	Groundnut :- soil preparations, season/condition, varieties, location (Punjab)	Prep. working in summer can reduce the incidence of ear-damaging insects & pest. Before sowing the soil must be leveled.	
Day-2	Groundnut sowing time & Seed dose.	North-east: Early Kharif/summer - March - April Kharif: June - July Rabi: Nov to Dec	
Day-3	Groundnut :- seed dose and sowing time	Rajasthan: Summer (Summer & winter rain - full season): Kharif - first week of July - Aug Rabi: Nov - Dec	
Day-4	Seed dose of groundnut	Seed dose is determined by seed size. The seed rate varies. The seed rate required is 52-56 kg in Kharif & 70-96 kg in Rabi.	
Day-5	seed treatment of groundnut	Per kg seed one gram of tebuconazole or 3g of mancozeb, ticked - some powder should be given.	
Day-6	Seed treatment before sowing the seeds of groundnut	Seed should be first - treated with insecticide after should be treated with fungicide.	

WEEKLY REPORT

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

Objective of the Activity Done:

Detailed Report:

Groundnut Soil Preparations :-

1) Deep ploughing in summer can reduce the incidence of root damaging insects and pests.

2) 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)

Rajaseema (South & low rainfall zones)

Kharif :- first week of July - Aug ; Rabi :- upto Nov - Dec 15

Seed dose :- Seed rate is determined by seed size, sowing time & variety

Amrmani, Kadisi, G. 9mm, dharani, greeshma, Rohini Abhaya, prasanna, kadisi

7.8 Boldal - The seed rate required is 52-56 kg in Kharif & 70-76 kg in

Rabi with garuttha - seed rate required is 60-64 kg. Kadisi Amrmani

-vanti, harithandra, dheeraj - in rabi 60-84 kg. Abhaya variety seed dose

in Kharif - 64-68 kg, Rabi - 80-84 kg, Kadisi - 7.8 Bold varieties

seed dose in Kharif 44-52 kg In Rabi - 90 kg is required seed dose

treatment :- per kg seed 3 grams of mancozeb, trichoderma.

powder should be required to treat a seed. when planting new

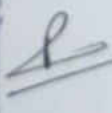
variety of groundnut they should be (seeds) treated with

Rhizobium Bacteria seed should be first treated with insecti-

cide. After drying in a shade the seed should be treated

with fungicide.

ACTIVITY LOG FOR THE SIXTH 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 in seeds of groundnut	Lowmont varieties (Kachari-7, 10, 11) seed and left - cereal (100%) mixed in 100% of water & soaked in salt for 12 hrs & dried in shade	
Day -2	Seed dormancy removal in groundnut seeds	on (3rd) (4th) phen. 100% mixed in 3 litres of water & spray on 100% of seed in air tight bag every night (12 hrs) for next 3 days & 100%	
Day -3	Plant spacing and sowing method in groundnut	Even in early kharif Bhemandeera, Nitja-kharita varieties should follow 100% plant spacing (30cm)	
Day -4	Sowing seeds of groundnuts	The seed should be sown either with a hand saw (or) tractor driven seed drill not only more acres can be sown in	
Day -5	Fertilizers (useful) for groundnut crop	Fertilizer doses should be decided on soil tests. peanuts require following base.	
Day -6	Fertilizers used for groundnut crop	Nitrogen - 100 (100) 100 (100) Phosphorus - 10 (10) 10 (10) Potash - 20 (20) 20 (20) Gypsum - 200 200 Zinc sulfate - 20 20	

WEEKLY REPORT

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

Objective of the Activity Done:

Detailed Report:

Removal of seed dormancy in groundnut seeds: Dormant varieties (Kudli-2, S1, S2, S3, etc.) are mixed in a bucket of water & soaked in water for 24 hours & dried in shade & then seeds are sown (20/30/40) after 24 hours mixed in 3 lit of water & spray on rows of seed in a tight bag. Over night (24 hours) in a bucket & they are sown by the method of plant spacing. From the early khairi Sharma deora, nityabharati varieties should follow the same plant spacing to sow the seeds.

Sowing seeds of groundnut: The seeds should be sown either with a harrow or tractor driven seed drill. At the time of sowing, the soil require enough moisture & the seed should not be sown more than 5 cm deep. If a tractor drill is used, not only a large area can be sown in a short time, but also the cost can be reduced significantly. Fertilizers: Nitrogen - 8(15) - 12(20) - 12(20) -

Irrigation crops - 20-25(15)-0

Fertilizer doses should be decided on soil tests. The following fertilizers are used - Nitrogen (in the form of urea), phosphorus, potash, gypsum, Zinc sulphate - once in every three crops for deficient soils. Urea - 46% Nitrogen, 100 kg urea = 46 kg N, 27 kg O. urea.

ACTIVITY LOG FOR THE SEVEN WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day -1	Plant population Based on plant spacing of groundnut	no. of plants per unit of land $PP = \frac{10000}{\text{Plant spacing} \times \text{Row spacing}}$	
Day -2	Deficiency symptoms of nitrogen, phosphorus, potassium	(a) - yellowing of leaves (b) - purple colour (c) - Discolouration of leaves.	
Day -3	Water management of peanuts crop	Groundnut requires 400-450mm of water 2-3 taps are sufficient for light soils sprinkle irrigation for heavy soils	
Day -4	Water management in groundnut crop	if water is given through sprinkler, 2% of crop will increase in yield along with saving water.	
Day -5	Inter cropping Trop cropping mono cropping multi cropping	more yield to escape from pests & diseases crop is grown in field per year e.g. more crop ground nut, peanut, millet, soy	
Day -6	Inter cropping Pattern of crops	hemi - these can be intercropped with groundnut, soy, etc. rotated in groundnut	

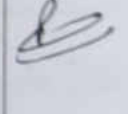
WEEKLY REPORT

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

Objective of the Activity Done:

Detailed Report: water management in groundnut crop
Groundnut requires 400-450 mm of water for
light soils 8-9 t/ha 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. Intervals of 7-10 days depending
on soil characteristics & clay soil percentage. The last
water should be given 15 days before harvest from the stage
of bear landing of pods to the stage of ripening of
nuts. The seed is sensitive from 45-50 days to 55-60 days.
So in this stage, water should be given properly.
In proper amount of water is given through sprinkler
less 25% crop water savings & yield increase. In case
of drip cultivation, drippers should be placed at a
distance of 90x90 cm & 10mm of water should be
given once every 3 days until the pods are formed
then 10mm of water should be given every 7 days.

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 friendly insects that destroy harmful insects. Farmers should monitor the crop area closely.	
Day - 2	Groundnut field Environment analysis	The major are predators pests & pathogens in predators - spiders Aphids, weevils, Syntrophs are pests.	
Day - 3	pests in groundnut 1) Ectoparas mites 2) Aphids / black fly	Symptom - Suck juice of leaves. Control - spray monocrotophos 20ml - tweenil in 200lit water.	
Day - 4	pests - symptoms/control 1) leaf hopper - mealybugs 2) leaf curl/folded	Symptoms: Both mother & young child eat exsiphous suck sap on the underside of leaves.	
Day - 5	1) Red cat exsiphous 2) Tobacco caterpillar Symptoms/control measures.	Symptoms: caterpillar eat leaves the leave the shoots & stems are	
Day - 6	Diseases in groundnut Symptoms & control 1) Tikka leaf spot disease 2) Rust / Blight 3) Stem rot disease.	Symptoms - Dark brown circular spots on leaf meconazole.	

WEEKLY REPORT

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

Objective of the Activity Done:

Detailed Report: Environmental Analysis of groundnut
peanuts contain friendly insects that destroy harmful insects.
The major ones are predators, parasites, pathogens, spiders,
aphids, weevils. Syrphids are types of predators. Trichogramma,
Telenomus destroy the larval stage. Farmers
should conduct regular surveillance, closely
monitor the crop area & take appropriate decision
after analysis.

Pests :- Ecthemarites - Symptoms :- suck the juice of
leaves, curling, shrivel of leaves & plants
will become stunted.

Control measures :- per acre monocrotophos 32ml +
neem oil 1 litre + kg soap. Powder per 200 litres of
water. The seed should be sprayed 2 times in
10 to 15 days interval.

Black fly :- As clusters they suck the sap.

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	Bu-ARD, Com APP, Fishnet is, animal husbandry, market, for seed, fertilizers, etc to field. video	
Day -2	kiosk Importance	- Information on quality of agricultural products is available for villagers. - Facility of online purchase & door delivery	
Day -3	Agriculture Agri's net portal services of kiosk	- providing weather information - Facility to know market prices of agriculture products.	
Day -4	Consent Agricultural Schemes undergirding it Akshaya San PDK	1) DAY-S-R. Raithe Bhaxosa 2) DAY-S-R. Raithe Bhaxosa 3) National Food Security 4) Soil health card scheme	
Day -5	scheme DAY-S-R. Raithe Bhaxosa ₹ 7500/- 4000/- 2000/-	- Govt of AP to provide all assist farmers by depositing an amount of Rs. 100 per acre in 3 installments, 33% in first, 33% in second, 33% in third.	
Day -6	Who are eligible for Raithe Bhaxosa	Cultivators belonging to landless & small landholding minority communities. Landless cultivators are also eligible for Raithe Bhaxosa.	

WEEKLY REPORT

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

Objective of the Activity Done:

Detailed Report:

Digital kiosk & its uses :-

- Apps :- eNAID, CMAPP, 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 Akkavaran PDK :-

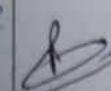
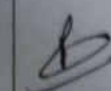
1) Dr. Y.S.R. Raithu Bharosa

2) Dr. Y.S.R. Zero export Interest

3) National food security mission

4) Soil health card scheme.

ACTIVITY LOG FOR THE TENTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day -1	Dr. Y.S.R Zero Interest - coop loan scheme	So, it is called as zero interest coop loan	
Day -2	Eligibility of this Scheme objectives & Benefits	- Loans provided. - Under this are interest - at fixed zero interest - at basis	
Day -3	Dr. Y.S.R Zero Interest Coop loan Scheme Details	- e-coop registered farmer are eligible - moham	
Day -4	National food security mission (NFSM)	Authorized by central government of India	
Day -5	objectives of NFSM (national food security mission)	Increase yield by increase cultivated area & productivity.	
Day -6	NFSM main points.	Setting up of community demonstration farms to achieve high yield & low input & high productivity.	

WEEKLY REPORT

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

Objective of the Activity Done:

Detailed Report:

Dr. Y.S.R. Zero Interest Crop Loan Scheme
e-cop registered farmers are eligible for this scheme for
crop loan. Dr. Y.S.R. Zero interest crop loan is launched by the
Dr. Y.S. Nageswara Reddy. This scheme is mainly launched
for the farmers across the state under this scheme all the
farmers who take crop loan up to Rs. 1 lakh per year. The
same within 1 year will be covered interest subsidy
will be provided to the beneficiary farmers under
this scheme.

Benefits :- It aims to free the farmers from vicious
circle of money lender rather government
will directly provide them interest subsidy on loans taken.
Loans provided under this scheme are interest national
food security mission.

National food mission :- Authorized by central govt of
India subsidy on loans taken based on recommendations
of agriculture subcommittee of 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 (or) Soil Health Card scheme (SHC)	For the year 2019-2020, the govt of India selected one village per mandal. village pilot project on SHC & collected soil sample from every field.	
Day - 2	SHC (Soil Health Card scheme)	- Analysis of soil samples in soil laboratories & provide soil analysis before planting paddy & other crops for each demonstration field.	
Day - 3	Different steps in soil testing	Collecting of soil samples - - Testing in the laboratory.	
Day - 4	Collection of soil samples.	- Soil samples for soil test should be analyzed in a scientific manner followed by time & the collection site. All precautions should be taken. Soil	
Day - 5	When the soil can be collected? (samples)	It is better to pick soil during the sun-dry season.	
Day - 6	When to take the soil samples	Soil sample should be collected before sowing or after harvesting.	

WEEKLY REPORT

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

Objective of the Activity Done:

Detailed Report:

Soil health card scheme (a) Soil conservation
for the year 2019-2020, the government of India selected
one village per mandal under village pilot project under it
collected soil sample from every field. Analysis of soil sample
in soil laboratories & provision of soil analysis documents
before planting do not provide document Rs 2500 per test
for each demonstration field.

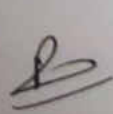
Different stages in soil testing:

- collection of soil samples
- Testing in the laboratory
- fertilizer recommendations based on results collection

Collection of soil samples:

- It is better to pick soil during the summer season
- soil samples should be collected before sowing or after
harvesting.

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 are grown & nature of soil. Agricultural crops require fruit gardens. 5-6 feet (one sample per one step)	
Day - 2	Tools to collect soil samples.	Soil samples can be taken with the help of shovel, pickaxe available to farmers	
Day - 3	Soil samples depth how much? How to collect samples?	At field soil is of same type it is enough to take one sample for surface. Dig a shaped hole 6-8 inches deep using shovel. Dig - dog method	
Day - 4	Soil samples collection	The soil should be taken in a thin layer from top to bottom. Similarly soil should be collected from 10-12 places of the paper farmers &c.	
Day - 5	How the results of soil samples can be known?	The details of farmers relate to soil sample collection should be registered in soil health card portal by a mobile no. of farmer & registered them in soil health	
Day - 6	Soil tests results CHe (Custom Hiring Centre) Sanctioned by Government	The details of farmers who have collected the soil sample & the analysis results of soil samples are being sent to the soil health	

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 Agricultural crops - 6 inches, for fruits gardens -
- Soil sample can be taken with the help of shovel, pickaxe
- available to farmers soil, type color, irrigation water availa.
- bility, depth, cultivation methods variation in crop yield should be taken separately. All the equal should be different when the fields are identified, no matter how small the area of the field are identified.
- when the whole field is of some type it is enough to take one sample for success. To collect soil sample garbage, weeds etc should be thrown away. Dig a shaped hole, 6-8 inches deep using shovel etc.
- The Soil should be removed in a tin layer from top to bottom soil sample be removed in a tin. Layer from top to posted by concerned field crop
- Custom Hiring center (etc) - Government sanctioned
- Input - 15% farmer share - 10% - 22, 50000?

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

During an 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 in the workplace. Agriculture sector demands skillful employees. 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 & transport.

- > How to put my abilities & 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.

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).

manageral 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, a person with an power & ability to lead other people. Time management is one of the main important role in everyones life in this organization. The people utilized so, I attained how 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 patience, Balancing & Time management. I had attained to being patient & communicate divide time between various tasks. Improvement in competencies is to attain motivating others, written learned a good decision making skills like creativity skills. This skills takes into multiple ideas & perspectives understand the goal state. Recognizing are the skills to get performance analysis planning is an integral stage of your performance management cycle of performance analysis.

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 ways 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 classes.
- Try not to make assumptions.
- Don't be accusatory when raising an issue.
- Get rid of those "ums" & "uhs"
- making eye contact while someone talking
- Use Active Voice, be with clarity, speak directly
- Never respond to message when you are upset
- Speak about your thoughts & ideas.

Describe how could 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 staff members and my friends helped me to cope well with all challenges at work. Group discussion one very well. It involves sharing ideas people are connected with one base idea. By group discussions I gained the following skills such as leadership skills, communication skills, social skill & behaviour politeness, teamwork; confidence and listening ability. I enjoyed working in a discussions. I acquired good communication skills by participation in teams. Active listening is the attention which I gained and build trust with employers & other members. As a team member by showing enthusiasm. As a team member I learnt to being a positive mind set. It leads to have knowledge of your role. It also develops a listen to needs of my team mates. By leading a team/activity I learned leadership qualities. Speaking clearly and confidently i.e. strong communication. Being discipline, clearly and confidently.

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 revolution. The old technology is completely vanished rather 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 a easy.

Arrangement of digital kiosk is also the part of technological development we have seen in RBKs will have digital kiosks throughs which the farmers can place the order for products like fertilizers, seed. etc will be delivered at the doorstep. Through the technological development it will help farmers to markets the agricultural produce better. In early days to know the markets the agricultural produce better. development occurs they are giving a massive knowledge to the farmer. The farmers can also know the department of agriculture has been created mainly to provide agricultural extension services to farmer & to transfer the latest technical knowledge by the Global investors.

Student Name: Ram Mohan J

Registration No: 2022001562013

Term of Internship: From: 18/02/2022 To: 18/04/2023

Date of Evaluation:

Organization Name & Address: Agdiculture.

Name & Address of the Supervisor Agriculture. Etcherla mandal
with Mobile Number Etcherla village, Srikakulam

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

Student Self Evaluation of the Short-Term Internship

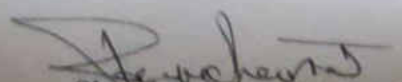
Student Name: <u>Ram mohan J</u>	Registration No: <u>202200512013</u>
Term of Internship: From: <u>18/02/2022</u> To: <u>18/04/2023</u>	
Date of Evaluation:	
Organization Name & Address: <u>Agriculture, Etcherla village,</u> <u>Etcherla village, Srirakulam.</u>	

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:


Signature of the Student

Evaluation by the Supervisor of the Intern Organization

INTERNAL ASSESSMENT STATEMENT

Name Of the Student: Jangulla Rammohan
Programme of Study: Agriculture Etcherla
Year of Study: 2022-2023
Group: B.Sc (MCAC)
Register No/H.T. No: 2022001562013
Name of the College: Govt degree college Serimeti Srikakulam.
University: Dr.B.R.Ambdtkar 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 Goldina
Signature of the Faculty Guide

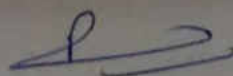
EXTERNAL ASSESSMENT STATEMENT

Name Of the Student: *Jasugulla Rammohan*
Programme of Study: *Agriculture Etcherla*
Year of Study: *2022-2023*
Group: *B.Sc (MCAC)*
Register No/H.T. No: *2022001562013*
Name of the College: *Govt degree college for (men) Srikakulam*
University: *D.R.B.R. Ambedkar University*

SLNo	Evaluation Criterion	Maximum Marks	Marks Awarded
1.	Internship Evaluation	80	75
2.	For the grading giving by the Supervisor of the Intern Organization	20	15
3.	Viva-Voce	50	
	TOTAL	150	
GRAND TOTAL (EXT. 50 M + INT. 100M)		200	

Signature of the Faculty Guide

Signature of the Internal Expert



Village Agriculture Assistant
Etcherla (V.S), Etcherla (M)
Srikakulam (Dt).A.P-532 410

Signature of the External Expert

Signature of the Principal with Seal