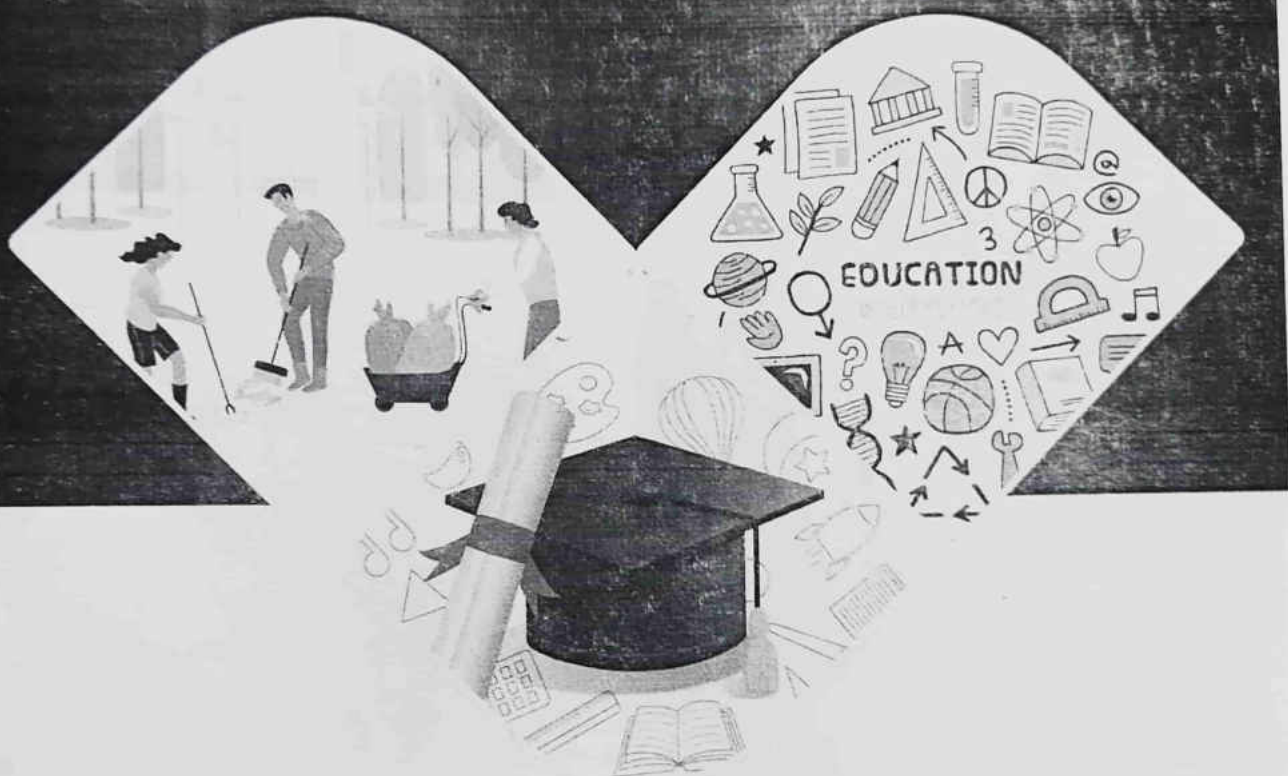


Model Program Book



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: Paulaselli Venkatesh

Name of the College: GOVT Degree College (MEn) Sri Kakulam

Registration Number: 2022001053033

Period of Internship: 1 month From: 14/12/2020 To: 15/02/2023

Name & Address of the Intern Organization: Andhra Pradesh Sahakar
Andhra (R, n. Peta (Mand), Sri Kakulam, Agriculture

University

YEAR

An Internship Report on

Long Term Internship program in ^{agricultural} education department

(Title of the Semester Internship Program)

Submitted in accordance with the requirement for the degree of
B.S.C (MPE)

Under the Faculty Guideship of

B. MOHAN RAO

(Name of the Faculty Guide)

Department of physics

Government Degree college CMR

(Name of the College)

Submitted by:

Padaselli Venkatesh

(Name of the Student)

Reg.No: 2022001053033

Department of physics

Government Degree college CMR

(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.

-----<<@>>-----

Student's Declaration

I, Padmaselli Venkatesh a student of long term internship
Program, Reg. No. 2022001053033 of the Department of physics
College do hereby declare that I have completed the mandatory internship
from 14/12/2022 to 15/2/2023 in agoricalature dep^{ment} (Name of
the intern organization) under the Faculty Guideship of
_____ (Name of the Faculty Guide), Department of
physics, Goverment degree college (men)
(Name of the College)

P. Venkatesh
(Signature and Date)

Official Certification

This is to certify that paraselli Venkatesh (Name of the student) Reg. No. 2022001053031 has completed his/her Internship in agronicalture department (Name of the Intern Organization) on Semester Internship (Title of the Internship) under my supervision as a part of partial fulfillment of the requirement for the Degree of physics in the Department of Government Degree college (Name of the College).

This is accepted for evaluation.


(Signatory with Date and Seal)

Endorsements

Faculty Guide

Head of the Department

Principal

Page No

Certificate from Intern Organization

This is to certify that Paraselli Venkatesh (Name of the intern)
Reg. No 2022001053033 of GDC (MEN) (Name of the
College) underwent internship in agriculture department (Name of the
Intern Organization) from 14/12/2022 to 15/02/2023

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

A. Venkatesh
Authorizing Agriculture Assistant
RBK:
L.N.Peta Mandal, Srikakulam Dist.

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15. Internship photos & videos
16. Internal & external evaluation.

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:- L.N Peak RBK village, L.N Pet-a - 78 acres, Gembadam - 18 acres, Paddukalla - 2000, Gumbadam - 1100
Total - 618 acres. Total farm area - 588, Undergone 2-4% - 528 purchase of grain through
RBKs:- minimum support price for various type paddy looking - 2400/- per - 8000 kg 160/-

2nd week:- current scenario at RBK. Rabi season 22-23 is 354 acres, groundnut - 7000 kg, maize - 11000 kg (BTP) - 11000 kg of other pulses - green gram, black gram, finger millet, Sesamum etc.

3rd week:- seed germination:- the process of seeds developing into new plants.
Seed dormancy:- Having all favorable conditions to germinate but unable to germinate.

4th week:- Groundnut crop - attaching hyphae - major oil seeds crop. Apoptosis kind in pod rot, constraints in cultivation & productivity - lack of agricultural mechanization & micronutrient management at right time.

5th week:- Preparation of soil:- Deep weeding in summer can reduce the crop damaging insects & pests. Before sowing, soil should be levelled. Time of sowing, early kharif, March to April, Kharif - June - July.

6th week:- Plant spacing & sowing of seeds of fertilizers:- 30x10cm plant spacing, seeds should be sown either with a handrow (or) tractor driven seed drill. Nitrogen, phosphorus, Potash, gypsum, Zinc sulfate (yellow of leaves), P (purple colour), K (discoloration of leaves).

7th week:- Deficiency symptoms:- Deep weeding in summer
weeding management:- 100-150 mm of water castor, paddy, millet, sorghum can be intercropped groundnut.

8th week:- Pests & diseases in groundnut:- Euscelinus, aphid, Black fly, leaf hopper, leaf miner, Red caterpillar, Tobacco caterpillar, Rust/Saffron, Tikka leaf spot, Stem rot virus.

9th week:- Digital Kisan:- provide weather information, marketing for speed fertilizer facility of online purchase & door delivery. M.Y.S.R. Rail Bhavasa - ₹ 13,500 - 320 kg, Kharif - ₹ 3,500, ₹ - 4000, - October, ₹ 2,500.

10th week:- M.Y.S.R. Zero Interest crop loan scheme:- farmer loan - 7% stake & ceiling 3x pay loan of 500000. loans provided under this are Interest free National Food Security mission, launched in 2007 by central govt of India - Interest free by cultivated area.

11th week:- Soil conservation scheme analysis of soil samples in soil laboratory & provide soil analysis report planting Rs 72500 per hectare for each demonstration field. Steps - collection, testing, fertilizer recommendation.

12th week:- CMC (Custom Hiring Centre) - Sanctioned by govt. To incur cost of agricultural machinery depth of soil samples, agricultural crops - sorghum, sorghum or food of 5-6 feet. Tools - shovel, pickaxe - available to farmers.

CHAPTER 2: OVERVIEW OF THE ORGANIZATION

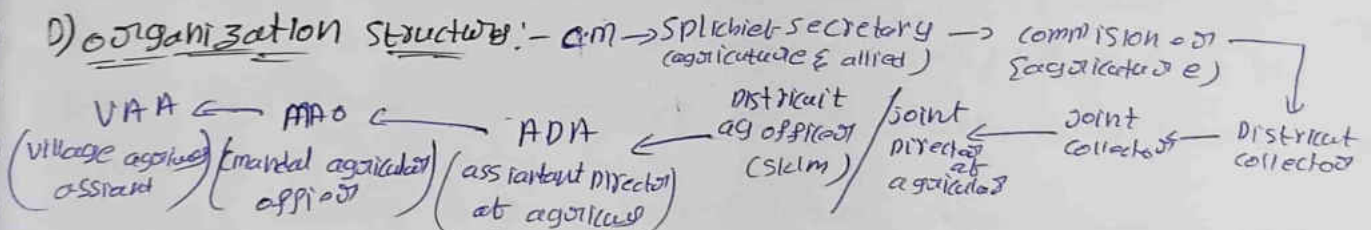
Suggestive contents

- 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.

A) Introduction of the organization: - Government of Andhra Pradesh has launched Rasthi Bhavosa Kalyana (farmer ASSURANCE Kalyan) on May 30th at 2020 year. The government has started local RBKs across the state with an outlay of 200 Crores.

B) Vision, mission and values of the organization: - AP is predominantly an agrarian state launched this scheme to bring more transparency equality of service to the farming community.

C) 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 RBKs
a) agri input shop b) farmer knowledge centre c) custom hiring centre d) other important aspects.



E) Roles & responsibilities of employee in which intern is placed: - Routine working preparing graphs & charts, visit fielding

F) Performance in terms of profits & market value: - many crops are grown acc to region & demand. many crops given incremental profit of minimal investment gov. at product, 15% wholesale 25% at retail level.

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

moisture meter - 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 volume cups. For example: - for paddy short volume B cup is used. Supplied with the pressure of 555 these also having code 008. These pressures can be adjusted for 555 with vertical scale & circular scale.

Collection of soil sample for soil test:- The soil is taken from the field having dust particles etc well levelled field soil is taken. Soil test should be conducted for every 3 to 4 years. For 1 acre of field 10 to 15 soil samples are taken in a polythene cover & divide the soil into 4 parts & then 1st & 3rd part is removed and spread the remaining as usual. Now divide into 4 parts, now remove the 2nd & 4th part of soil up to the soil is condensed into $1\frac{1}{2}$ kg. of for paddy field 15 cm depth is digged.

When collecting $1\frac{1}{2}$ kg soil packet in well send it to the soil testing laboratory.

ACTIVITY LOG FOR THE FIRST WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day - 1	Khairi - Basic data L.N Peta - Revenue village 1) L.N Peta 2) Gembadam 3) Peddakota 4) Gaddalapadu	Total no. of farmers - 588 Total land is 618 acres	A. Umadevi
Day - 2	LN Peta - 78 acres Gembadam - 180 acres peddakota - 244 acres Gaddalapadu - 116 acres Total 618 acres	Crop details Paddy - 610 acres sugarcane - 3 acres garden - 5 acres	A. Umadevi
Day - 3	Purchase of grain through Rythu Bharasa Kendras	minimum support price Normal type - for quintal - 2010 for 80 kg - 163 L	A. Umadevi
Day - 4	quality parameters to be followed to get support price	the maximum % allowed by central government is 10%	A. Umadevi
Day - 5	support prices for other agriculture products registration done in RBK	coops, available prices purchase period	A. Umadevi
Day - 6	for purchase of grain be registering in e-cop who have completed KYC	Total farmers - 588 farmers who - have undergone e-KYC are 528	A. Umadevi

WEEKLY REPORT

WEEK-1 (from date to date)

Objective of the activity Done:-

Detailed Report

Crop classification:- Yembaram revenue village

1) Yembaram - 150 2) L. N. Peta - 75 acres 3) Peddakata - 204

4) Gaxalapadu - 116.

Purchase of grain through Rythu Bhaasa Kendras.

The grains conforming the quality standards 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 will 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 government, calculations, the amount is paid directly into the farmer's account along

with grain money within 21 days. MSP for general

type paddy 2020, for 80kg - 1632/-

Quality parameters to be met to get support price:-

1) Waste, soil, rocks - 1.0 2) Spoiled, discoloured, sprouted - 5.0

3) Immature, shiveled, curled grain - 3.0

4) Moisture level should be below 17.0

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 harvest sent by the farmer within 2 days will be deposited in the bank	A. Uma Shankar
Day - 2	current scenario of L.W. Peta RBK	Rabi season is 359 Kharif season - 754 Vijayarampuram - (maize) Demonstration trail - 1000 - 1000	A. Uma Shankar
Day - 3	BR - 45-R Polam Badi themes of Polam Badi 30 farmers, 25 acres field	1. Healthy crop cultivation 2. protecting the soil 3. weekly crop monitoring	A. Uma Shankar
Day - 4	$ICM = INM + IPM + WAM + ICOM + FM$	Integrated crop management = Integrated + pest management water + weed + soil management	A. Uma Shankar
Day - 5	Polam Badi - field study How is it conducted (teaching method)	Participatory learning experiential learning sharing, group dynamics	A. Uma Shankar
Day - 6	14 weeks at Polam Badi field study	Introduction Team building agro ecosystem management field visit	A. Uma Shankar

WEEKLY REPORT

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

Objective of the activity done:-

Detailed Report:-

Method of Procurement at grain:- The equality standards grain should be checked at the Rythu Bharasa Kendram. The available vehicles should be scheduled by VAA. At given scheduling time, Technical assistant with help of VAA should collect the grain from farmers 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 grain's weight the truck sheet will be generated, & the print is given to the farmer. 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 detets & generates Pro. In 21 days the amount of farmers bags will be deposited in direct periods through DBT method.

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) Biennial 3) Perennial	A. Umamakeshi
Day - 2	criteria for essentiality essential nutrients	Macronutrients C, H, O, N, P, K, S, Ca, Mg micro nutrients B, Zn, Mn, Fe, Cu, Mo, Cl, Ni	A. Umamakeshi
Day - 3	fertilizer applications	1) Time of application 2) place of application 3) amount of application	A. Umamakeshi
Day - 4	Seed germination Seed dormancy - treatment method Seed types	Scarification Stratification chemical method treatment	A. Umamakeshi
Day - 5	Deficiencies of macro - primary element N, P, K	Nitrogen - Yellowing at leaves Phosphorus (P) - Purple color Potassium (K) - Discoloring mott	A. Umamakeshi
Day - 6	Inter cropping - To get Trop cropping - more yield mono cropping multi cropping	Cereals → pulses To escape from pests & diseases	A. Umamakeshi

WEEKLY REPORT

WEEK - 03 (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 years
eg:- Tomato, maize

(2) perennials :- the crop which completes its life cycle in two (or) more than years
eg:- mango, coconut

(3) Biennials :- the crop which completes its life cycle in two years.
eg:- carrots, Beets

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
- 3) the element must be directly involved in metabolism of plants

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 oilseed crop of P. ranks 16th in production	A. Uma Sankar
Day - 2	constraints in groundnut cultivation and productivity	lack of agricultural mechanization	A. Uma Sankar
Day - 3	suitable climate for groundnut (peanut)	-Areas with low humidity are most suitable for groundnut	A. Uma Sankar
Day - 4	climate	average temperature of 25-28°C are suitable	A. Uma Sankar
Day - 5	Soils suitable for groundnut crop	-light soils -Soils with calcium & sulfur are ideal	A. Uma Sankar
Day - 6	Soils which suit best to grow groundnut - high organic matter	-sandy loamy soils are best & dried loamy soils.	A. Uma Sankar

WEEKLY REPORT

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

Objective of the Activity Done:

Detailed Report:

Groundnut Soil preparations:-

1) Deep weeding in summer can reduce the incidence of crop 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)

Rayalsemma (South & local rain fall zone)

Seed dose:- Seed rate is determined by seed size
sowing time & variety. Madayani, Kadiri, T.C. G.V.
Gimdhayani, greeshma, Rohini, Abhaya, prasanna,
Kadiri-a, T.A.G-24 Kadiri Amaravati, Karitandra
dheera, Bheema, Kadiri-7,8, Boldal - the seed rate in
kharif - 60-65 kg Kadiri Amaravati, Karitandra, dheni
- In Rabi 80-85 kg. Bheema variety seed dose in
kharif - 60-68 kg, Rabi - 80-88 kg, Kadiri, 7,8 Bold
varieties seed dose in kharif 44-52 kg in Rabi
- 40 kg is suggested.

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ACTIVITY LOG FOR THE FIFTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day - 1	<u>Groundnut</u> :- Soil preparations, season/ condition, varieties, practices	Before sowing the soil should be leveled	A. Uma Sankar
Day - 2	Groundnut sowing time & seed dose	North coast, early kharif/summer march - april	A. Uma Sankar
Day - 3	<u>Groundnut</u> seed dose and sowing time	Rajalahseema (southern & lower rain fall zones)	A. Uma Sankar
Day - 4	Seed dose of ground nut	Seed rate is deter- mined by seed size sowing time & variety.	A. Uma Sankar
Day - 5	Seed treatment of groundnut	per kg seed one gram of tebuconazole or 3 gram of mancozeb trichoderma powder should be given	A. Uma Sankar
Day - 6	Seed treatment groundnut sowing the seeds of groundnut	Seed should be first treated with insecticide after drying in shade	A. Uma Sankar

WEEKLY REPORT

WEEK - 05 (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 third in production and eighth in productivity after Gujarat & Rajasthan. It is grown in 7.35 lakh hectares in the state & produces to 48 lakh tonnes. This crop is mainly grown in Anantapur, Chittoor, Kurnool and Y.S.R Kadapa.

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) light soils & soils with calcium & sulfur are ideal
- 4) It requires 500-1200mm of rain fall

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 groundnut Removal of seed dormancy in seeds of groundnut	Dormant varieties (Kadivi-7, 8, 9) seed 5ml. ethereal (100%) mixed in 10 litres of water & soaked in soil for 12 hrs & dried in shade	A. Umeh
Day - 2	Seed dormancy removal in groundnut seeds	(30) (30%) ethephon, 125ml. mixed in 3 litres of water & spray on looking at seed in antiseptic bag over night (2 hrs)	A. Umeh
Day - 3	Plant spacing and sowing method in groundnut	even in early kharif Bhacra, deo, nitya, aashita varieties.	A. Umeh
Day - 4	Sowing seeds of ground -nuts.	the seed should be sown either with a hand tool or tractor driven seed drill that hold more seeds	A. Umeh
Day - 5	fertilizers (useful) for groundnut crop	fertilizer does should be decided on soil test & require following dose	A. Umeh
Day - 6	fertilizers useful for groundnut crop.	Nitrogen - 80 (10) 120 phosphorus - 16 (10) 160 potash - 20 (33) 20 (33) gypsum - 200 200 zinc sulphate - 20 - 20	A. Umeh

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 $PP = \frac{10000 \times \text{Block spacing}}{\text{Block spacing}}$	A. Umeh
Day - 2	Deficiency symptoms of Nitrogen, phosphorus potassium	(N) - yellowing of leaves (P) - purple color (K) - Discoloration of leaves	A. Umeh
Day - 3	Irrigation management of Peanut crop	Groundnut requires 1100-1450 mm of water. 8-10 days are sufficient for light soils. Sprinkler irrigation - (60-70%)	A. Umeh
Day - 4	Irrigation management in groundnut crop	If water is given through sprinklers, 25% of crop will increase in yield.	A. Umeh
Day - 5	Intercropping Tasap cropping Mono cropping Multi cropping	- more yield - To escape from pests & diseases. 200% more crop growth in field per 4000	A. Umeh
Day - 6	Intercropping pattern of crops,	Cassava, Pearl millet sorghum. These can be intercropped with groundnut. But this is by virus spreading issue	A. Umeh

WEEKLY REPORT

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

Objective of the Activity Done:

Detailed Report:

Water management in groundnut crops:-

Groundnut requires 1100-1500 mm of water & poor light soils 8-9 laps are sufficient. Before sowing the soil should be watered well & the seed should be planted when it wet enough. Spraying water should be done 20-25 days after sowing. Then watering should be applied at intervals of 7-10 days depending on soil characteristics & clay soil percentage. The last wet should be given 15 days before harvest from the stage of landing of pods to the stage of opening of nuts. The seed is sensitive from 15-50 days to 85-90 days.

Pattern of crops & Intercropping:- Red gram, castor, pearl millet, sorghum can be intercropped with groundnut. By this the virus spreading will be reduced. Areas affected by North-east monsoon, Kharif - groundnut can be followed by green gram (or) horse gram. Groundnut Intercropping with paddy, the pest of groundnuts can be reduced.

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 closely & take appropriate decision.	Aume Sankar
Day - 2	Groundnut field environment analysis	The major are predators pests & pathogens. In predators - spiders, weevils, syrphid are U pests.	Aume Sankar
Day - 3	pests in groundnut 1) Ecsoma mites 2) aphids / black fly	control - spray Monocrotophos 300 ml + Veerbi in 200 lit water	Aume Sankar
Day - 4	pests - symptoms / control 1) leaf hopper - meadow 2) leaf curl / folded	symptom; caterpillars eat leaves the leaves control - imidacloprid 60 ml symptom; Brown spots on leaves & curl the leaves	Aume Sankar
Day - 5	1) Red caterpillar 2) Tobacco caterpillar symptoms / control measures	Symptom - caterpillars eat leaves the leaves & stems - coldness; Monocrotophos 300.	Aume Sankar
Day - 6	Diseases in groundnut symptoms & control measures 1) Tikila leaf spot disease 2) Rust / Saffron 3) stem rot virus	Symptom - Black brown circular spots on leaf - black conical symptom - small red colored bright yellow spots on underside of leaves - mottled leaves	Aume Sankar

WEEKLY REPORT

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

Objective of the Activity Done:

Detailed Report:

Environmental Analysis at groundnut field.

peants contain friendly Insects that destroy harmful Insects. the major ones are predators, parasites, phagocytosis, spiders, aphids, weevils, syrphids are types of predators. Trichogramma, Telenomus destroy the larval stage. Farmers should conduct regular surveillance, closely monitor the crop area & taken appropriate decision after analysis.

pests - eczemamites - Symptoms:- suck the juice of leaves curling shrivel of leaves & plant & will become stunted
control measures:- pour some monocrotophos 320ml & neem oil little soap powder per 200 litres of water

Black fly:- As clusters they suck the sap
leaf hopper symptoms:- Both young & mature caterpillars suck sap on the underside of leaves and form as clusters

control:- monocrotophos 500ml Tobacco caterpillar control - control
Red caterpillar symptoms:- caterpillars eat the leaves the shoot & stems
control measures:- Dimethoate 100ml / monocrotophos 320ml

Diseases - Tick leaf spot:- Brown spots on leaf - Hexaconazole - 100ml

Rust / saffron disease:- small black coloured blisters form on underside of leaves mancozeb 100g

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	-email, cmap, fishery, animal husbandry, marketing, forest fertilizers lab to field videos	A. Umeshankar
Day - 2	Important kiosk	Information about like agricultural products is available for a village eg.	A. Umeshankar
Day - 3	Agriculture agency net portal services of KISOL	- providing weather information - facility to know the market prices of agriculture products.	A. Umeshankar
Day - 4	Current agricultural schemes undergoing at LNPed RBK	1) Dr. Y.S. R Raithu Bharosa 2) Dr Y.S.R zero interest crop loan 3) National food security machine	A. Umeshankar
Day - 5	scheme Dr. Y.S.R Raithu Bharosa ₹ 7500 L, 4000/- 2000/-	- Govt of A.P. of farmers assist farmers by direct giving an amount of 13,500 per annum in 3 instalments.	A. Umeshankar
Day - 6	Who are eligible for Raithu Bharosa.	cultivators belonging to landless SC, ST backward & minority communities & landless cultivation are also eligible for Raithu Bharosa.	A. Umeshankar

WEEKLY REPORT

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

Objective of the Activity Done:

Detailed Report:

Digital Kiosk & its uses:-

Apps - email, crapp, fishery, Animal husbandry etc

Information on certified agricultural products - available for village

- facility of online purchase & door delivery

- providing weather information

- facility to know market prices of agriculture products.

- agriculture agris net portal service.

current agriculture scheme undergoing at LN Peat:-

1. Dr. V.S.R Raithu Bharasa

2. Dr. V.S.R zero cropland interset

3. National food security mission

4. Soil health card scheme.

1) Dr. V.S.R Raithu Bharasa:- It is a program launched by govt of A.P to financially assist farmers by depositing an amount of ₹13,500 per annum in three installments in association with p.m kisan state government contributing ₹7500, ₹6000

ACTIVITY LOG FOR THE TENTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day - 1	M.Y.S.R zero Interest crop loan scheme	farmer loan is fr. state government - 4% central government - 3% plus the loan of 10% so it is called as zero Interest crop loan	A. Um. Jankar
Day - 2	eligibility of this scheme objectives & Benefits.	- main objective of scheme is welfare of the farmer across the state. - loans provided under this are interest free	A. Um. Jankar
Day - 3	DR-VS-R zero Interest crop loan scheme - Details.	e-crop registered farmers are eligible - launched by CM Dr. N. Chandrababu Naidu	A. Um. Jankar
Day - 4	National food security mission (NFSM)	- Authorized by central government of India. - launched in 2007 based on decaying	A. Um. Jankar
Day - 5	objectives of NFSM (National food security mission)	Increase yield by increasing cultivated area and productivity	A. Um. Jankar
Day - 6	NFSM main points	setting up of common demonstration - farms to achieve high yield with low investment & high productivity	A. Um. Jankar

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-crop registered farmers are eligible for this scheme. Farmer loan at 7%. Y.S.R zero interest crop loans launched by the cm YS-Jagan Mohan Reddy. This scheme is mainly launched for the farmers across the state. Under this scheme all the farmers who taken crop loans up to beneficiary farmers 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 on loans taken, loans provided under this scheme are interest-free.

National Food Security mission:- Authorized by central govt of India launched in 2007. Based on recommendation of agriculture subcommittee of NDC. National development council.

main points:- setting up of community demonstration farms to achieve high yield with low investment & high productivity. To organize demonstration fields, basis of sequence of crops according to region.

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 (CS) Soil Health card scheme (SHC)	for the year 2019-2020 the govt of India select one village per month village pilot project SHC collect soil sample	A. Com. Sankar
Day - 2	SHC (Soil Health card scheme)	- Analysis of soil sample in soil laboratory provide soil analysis before planting, Rs 2000 for each demonstration plot.	A. Com. Sankar
Day - 3	Different steps in soil testing	- collection of soil sample - testing in the laboratory	A. Com. Sankar
Day - 4	collection of soil sample	soil sample for soil test should be analysed in a scientific manner followed by time the collection site all precaution.	A. Com. Sankar
Day - 5	when the soil can be collected? (sample)	soil samples can be taken at any time while the field are empty	A. Com. Sankar
Day - 6	when to take the soil sample.	soil samples should be collected before sowing & after harvesting	A. Com. Sankar

WEEKLY REPORT

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

Objective of the Activity Done:

Detailed Report:

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

Different Stage in soil testing:-

collection of soil samples

Testing in the laboratory

- fertiliser recommendations on results.

collection of soil samples:-

Soil samples for soil tests should be analysed 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 can be taken at any time while the fields are empty

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

- Soil samples should be collected before sowing & 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 we grow nature of soil agricultural crops - 6 inches fruit garden - 5-6 feet	A. Um. Janket
Day - 2	Tools to collect soil samples	Soil samples can be taken with the help of shovel/pickaxe available to farmer	A. Um. Janket
Day - 3	Soil samples depth how much? How to collect samples?	If field soil is of some type it is enough to take one sample for 5 acres dig a shallow hole 6-8 inches deep using shovel zig-zag	A. Um. Janket
Day - 4	Soil samples collection	The soil should be removed in a 1m by 1m from top to bottom. Similarly soil should be collected from 10-12 places.	A. Um. Janket
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 concerned field staff	A. Um. Janket
Day - 6	Soil test results: CIC (Coston 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 their mobile number	A. Um. Janket

WEEKLY REPORT

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

Objective of the Activity Done:

Detailed Report:

Depth of soil sample collection:-

It depends on the crops we grow & nature of the soil.

For agricultural crops - 6 inches, For fruits gardens

- 5-8 feet (one sample per one feet)

Soil samples can be taken with the help of shovel/picker available to farmers. Soil type, color, irrigation water

availability, depth, cultivation method variation in crop

field should be taken separately. All the equal should

be different when the fields are identified no

matter how small the area of the field on base

when the whole field is of same type it is enough

to taken one sample for success. 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 sample collection

should be registered in the record by concerned

field staff.

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 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. It feels good to interact at within the farm area. It feels there is a good interaction with my classmate and the faculty members in the organisation. Minimum facilities are available like fan, light, table, 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 Polam badi 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 do the work & always encouraged me to complete the tasks.

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

Describe the real time technical skills you have acquired

During an internship I had acquired both hard skills and soft skills are required to stand out from others in the industry; be an interview on in the work place. Agriculture sector demands skillful employees. I gained key skills that are necessary to move forward technology based skills; Versatility Time management & organisations skills managing data. Adaptability are the basic skill which I attained. This mainly involves acquiring tech-based skills on things such as Integrated use of pesticide, Improving methods & techniques of cultivation, harvest, storage & transport.

→ How to put 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 work place culture

→ Interpersonal skills. Interact well with others.

Describe the managerial skills you have acquired

Managerial skill I have acquired in team at 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 others people. Time management is one of the main important role in every one 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 patience, Balancing & Time management. I had attained to being patient & communicate. I have acquired a time management skill how to plan & how to divide time b/w various tasks. Important in competencies is to attain motivating others, written communication, honest vision, creativity, & Delegation. I learned a good.

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 ~~more~~ 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 classes
- Boldy language play a role in communication skills
- Try not to make assumptions
- practice self awareness especially during tough conversation
- Don't be accusatory when raising an Issue
- Get rid of those "Ums" & "Uhs"
- Making eye contact while someone talking
- Avoid distracting movement, keep good posture
- create a positive organization structure

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. Staff members and my friends helped me to cope well with all challenges at work. Group discussions are very well. It involves sharing ideas. People are connected with one basic idea. By group discussions 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 discussions with group. By listening ability well to the ideas of other speakers. I learned something. Speaking confidently by using an appropriate tone is effective to participate in group discussions. I acquired good communication skills by participation in teams. Active listening is the attention with I gained and build trust with employees & other members. As a team member I respected others, and I am helpful to other team mates by sharing 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 listening skills.

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 & other new ones has replaced in the sector of agriculture. The digital technology plays a key role to enhance the knowledge of farmer. Digitalization makes the farming as the very easy.

Arrangement of digital kiosk is also the part of technological development we have seen in RBKS will have digital kiosks through which the farmers can place the orders & products like fertilizers, seeds, etc will be delivered at the doorstep. Through the technological development it will help farmers to market the agricultural produce better. In early days to know the moisture in food grains hot air oven is used. It takes more than 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 minute. As the technological development occurs they are using moisture testing machine & can know the moisture of grains with in a minute.

Student Self Evaluation of the Short-Term Internship

Student Name: <u>Padaseeli Venkatesh</u>	Registration No: <u>2021001053023</u>
Term of Internship: <u>4th month</u> From: <u>14/12/2022</u>	To: <u>15/02/2023</u>
Date of Evaluation:	
Organization Name & Address: <u>agroniculture department 2</u> <u>Sorikakkulam, L.N Peta</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:

P. Venkatesh
Signature of the Student

Evaluation by the Supervisor of the Intern Organization

Page No

Student Name: Paraselli Venkatesh

Registration No: 2022001053033

Term of Internship: 1st month From: 14/12/2022 To: 15/02/2023

Date of Evaluation:

Organization Name & Address: agriculture department & srikakulam, L.N.Peta

Name & Address of the Supervisor A. Uma Sankar, 6305065219
with Mobile Number

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

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

Rating Scale: 1 is lowest and 5 is highest rank

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

Date:

A. Uma Sankar

Signature of the Supervisor
Village Agriculture Assistant

RBK:

L.N.Peta Mandal, Srikakulam Dist.

Page No

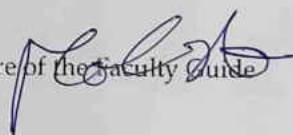
INTERNAL ASSESSMENT STATEMENT

Name Of the Student: Pavaselli Venkatesh
Programme of Study: agriculture department
Year of Study:
Group: B.S.C (M-PE)
Register No/H.T. No: 2022001053033
Name of the College: Government degree college (mth)
University: D.Y. B.R ambedkar university

Sl.No	Evaluation Criterion	Maximum Marks	Marks Awarded
1.	Activity Log	10	8
2.	Internship Evaluation	30	28
3.	Oral Presentation	10	8
	GRAND TOTAL	50	44

Date:

Signature of the Faculty Guide



Page No

EXTERNAL ASSESSMENT STATEMENT

Name Of the Student: Padmaselli Venkatesh

Programme of Study: Agriculture department

Year of Study:

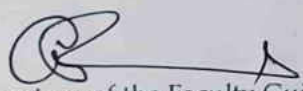
Group: B.Sc (MPE)

Register No/H.T. No: 2022001053033

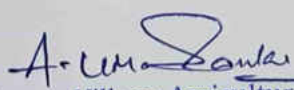
Name of the College: Government Degree College (men)

University: D.Y.B.R. ambedkar University.

Sl.No	Evaluation Criterion	Maximum Marks	Marks Awarded
1.	Internship Evaluation	80	
2.	For the grading giving by the Supervisor of the Intern Organization	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

Signature of the External Expert 
Village Agriculture Assistant
RBK:
L.N.Peta Mandal, Srikakulam Dist.

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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