

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: Maji Diklosuwa

Name of the College: Govi Degree College, Govt. Sulluram

Registration Number: 20250100501

Period of Internship: 4 months From: 14/10/2022 To: 16/02/2023

Name & Address of the Intern Organization: Andhra Pradesh, Srikalahasti
L.N. Patel (Mona) Agriculture department

University
YEAR

An Internship Report on

Long Term Internship program in agriculture department

(Title of the Semester Internship Program)

Submitted in accordance with the requirement for the degree of

B.Sc (M.P.E)

Under the Faculty Guideship of

B. MOHANRAO

(Name of the Faculty Guide)

Department of Physics

Government Degree College (MEN)

(Name of the College)

Submitted by:

Majji Dhillewara Rao

(Name of the Student)

Reg.No: 2022001053021

Department of Physics

Government Degree college (MEN)

(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, M. Dhillswara Rao a student of long term internship
Program, Reg. No. 2022001053021 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 Agriculture (Name of
the intern organization) under the Faculty Guideship of
B. Mohan Rao (Name of the Faculty Guide), Department of
physics, Government Degree College (Men)
(Name of the College)

M. Dhillswara Rao
(Signature and Date)

Official Certification

This is to certify that Majji Dhilleswara Rao (Name of the student) Reg. No. 2022001053021 has completed his/her Internship in Agriculture (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 (men) (Name of the College).

This is accepted for evaluation.

(Signatory with Date and Seal)

Endorsements

Faculty Guide

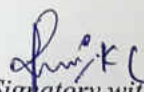
Head of the Department

Principal

Certificate from Intern Organization

This is to certify that Majji Dhilkeswara Rao (Name of the intern)
Reg. No 2022001053021 of GDC(MEN) (Name of the
College) underwent internship in agriculture (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).


Authorized Signatory with Date and Seal
Village Agriculture Assistant
RBK: RAVICHANDRI
L.N.Peta Mandal, Srikakulam Dist.

Contents

1. Title page
2. An internship report
3. Instructions to students
4. Student declaration
5. Official certification
6. Certificate from Intern Organisation
7. Acknowledgements
8. chapter 1: Executive summary
9. chapter 2: Overview of the organization
10. chapter 3: Internship part
11. chapter 4: Activity log book from 1st week to 12th week
12. chapter 5: Internship outcomes description
13. student self evaluation
14. Evaluation by the supervisor
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: Ravichendri RSK village, Pussam - 80 acres, Ravichendri - 180 ac, Chotalangi - 116 ac - ~~Total~~ Kovilam - 244 ac Total - 620 acres Total farmers - 588 undergone e-kyc - 528

Purchase of grain through RSK's Minimum support price for general type per 100kg - 2040/-, Per - 80kg - 1632/- Quality parameters to get MSP are followed by central government

2nd week: Current scenario of RSK - Rabi Season 22-23 is 359 acres, ~~groundnut~~ green gram, black gram, serial crop paddy Dr. Y.S.R. Potam Badi - 30 farmers, 25 acres fields is needed, ICM - INM + IPM + WYM + INM + FM

3rd week: Seed germination: The process of seeds developing into new plants -

4th week: Major oil seed crop, AP third in production constraints in cultivation productivity. climate - low humidity. 500-1200mm rainfall, Avg temperature.

5th week: Preparation of soil: Deep weeding in summer can reduce the crop damaging in insects of pests. Before sowing, soil, should be levelled.

6th week: plant spacing & sowing of seeds & fertilizers: 30x10cm plant spacing seeds should be sown either with a harrow. Nitrogen, phosphorous, potash, gypsum - zinc sulphate

7th week: Deficiency symptoms: N (yellowing of leaves), P (purple colour), K (Discolouring of leave). Water management: 400-450 mm of water castor, pearl millet, sorghum can be intercropped with ground nut.

8th week: Pests & disease in groundnut: Ecgonomites, Aphids / Black fly, Leaf hopper, leaf curl, Red water piller, Tobacco water piller, Rust / Saffron Tikka leaf spot, stem rot virus.

9th week: Digital Kiosk: provide weather information, marketing for seed fertilizers facility of online purchase and door delivery Dr. Y.S.R. Raithu Bharosa - ₹ ~~1300~~ 13,500

10th week: Dr. Y.S.R. zero interest crop loan scheme. Farmer loan 7%, state & central govt pays loans of farmers, loans provided under this are interest free

11th week: Soil conservation scheme } Analysis of soil samples
Soil Health card scheme } laboratories & provided.
₹ 2,800 per hectare for each demonstration field. Soil analysis before planting.

12th week: CHC - sanctioned by govt - To increase agriculture depth of soil samples Agriculture crops - 6 inches, fruit 5-6 feet. Tools - shovel, pickaxe available to farmer.

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 *Raithe Shiksha Kendra* on May 30th of 2020 year. The government has started 10,641 RSK's across the state with an outlay of 200 crores.
- B) Vision, Mission, and values of Organization: A.P in 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 24-48 hours of ordering through kiosks, etc of modernisation, technical advices and is an attempt to bring the agriculture extension 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, assistant, veterinary, fishery Assistant having qualification in their respective fields to work at RSK's. The following services are offered at RSK's a) Agri Input shop b) farmer knowledge centre c) custom hiring centre d) ~~Agri~~ ^{Agri} extension Important aspects
- D) Organization structure: chief minister → S.P. chief secretary (Agriculture & allied) → Commissioner (Agriculture) → District Joint Director / Joint collector → District collector
- VAA (village ag officers) ← MAO (Mandal ag officers) ← ADA (Assistant Director Agriculture)
- (E) Roles & responsibilities of employees in which intern is placed: prepares graphs & charts, visit fields, routine records
- (F) Performance in terms of profits & market value: Many crops are grown acc to regional demand
- (G) Future plans of the organisations: RSK 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 occurred in RBK are important for our future skills with acquiring the knowledge

Mainly we have learnt about paddy procurement processes, Moisturemeter working condition, soil testing, polambadi, e-crop
Moisturemeter: This is machine which calculates the moisture content of food grains. This is ~~un~~ universal type. This is a part of procurement of food grains. Nearly ~~by~~ types of samples moisture can be calculated by this. For example: for paddy short volume B cup is used & applied with the pressure of 525 & then also having code 008. These pressure can be adjusted with vertical scale circular scale. volume D cup is used.

collection of soil samples for soil test: The soil is taken from the field having dust particles etc. will labelled 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 polythene cover. Then collecting $\frac{1}{2}$ kg soil packet in well send it to the soil testing laboratory

e. crop provision for booking of all crops like agriculture, Horticulture & fodder crops, capturing the information of actual cultivator whether land owner or tenant & acquired the knowledge about moisture meter working collection of soil samples & e-crop

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 Ravichendri - Revenue villages. 1) Pasam 2) Kovilam 3) Cheralangi 4. Ravichendri	Total no. of farmers - 588 Total land is 618 acres.	dfi.k
Day - 2	Pasam - 80 acres Ravichendri - 180 acres Cheralangi - 116 acres Kovilam - 244 acres Total 620 acres.	Crop details paddy - 610 acres sugarcane - 3 acres garden - 5 acres	dfi.k
Day - 3	Purchase of grain through Rythu Bharosa Kendra	Minimum support price Normal type:- per quintal - 2040 For 80 kg - 1632	dfi.k
Day - 4	Quality parameters to be followed to get support price	The maximum % allowed by central government is 10%.	dfi.k
Day - 5	Support prices for other agriculture products Registrations done in RBK	Crops, available prices, purchase periods	dfi.k
Day - 6	For purchase of grain by registering in e-crop who have completed KYC.	Total farmers 588 farmers who have undergone e-kyc are 528	dfi.k

WEEKLY REPORT

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

Objective of the Activity Done:

Detailed Report: Ravichendri revenue villages

1) Pusam-80 ac, 2) Ravichendri-180 ac, Ychalangi-116 ac,
Kovilam-244 ac - Total 620 acres

Total no of farmer-588, farmers undergone ektac-528

Purchase of grain through Rythu Bhojra kendras

The grains conforming the quality standards prescribed by the government of India is procured from farmer. If not, then farmers have to prepare their grain in such a way that it meets the quality standards. If sacks are arranged for transportation, according to government calculation, the amount is paid directly into the farmers account along with grain money in 21 days per 100 kg-2640/-, for 80 kg-1632/-
Quality parameters to be met to get support price.

Quality standards should be based central government

1) waste soil, rocks-1.0 2) spoiled, discoloured, sprouted-5.0 3) Immature, shrivelled, curled grain-3.0

4) Moisture level should be below 17.0

All spoiled, sprouted, insect eaten cereal grain must be not more than 4%, toll 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 the grain	The amount of bags sent by the farmer. Within 21 days will be deposited in direct periods through DBT method.	Shit (VAA)
Day -2	Current Scenary of Atkavaram Ravichandran RBK	Rabi season is 359 acres. Major crop - groundnut - 75 acres. Vikram Puram - (mize) Demonstration trail project - 4 acres.	Shit (VAA)
Day -3	DR. Y.S.R POLAM Badi A theme. Polam badi 30 farmers. 25 acres field	1 - Healthy crop cultivation 2 protecting friendly insects 3 Weekly crop monitoring 4 Making farmer. Proficient crop cultivation	Shit (VAA)
Day -4	ICM = ICM + IPM + WM + IWM + FM	Integrated crop management + Pest management. Water + weed + farm management	Shit (VAA)
Day -5	Polan Badi - field Study How it is conducted (Teaching method)	Participatory learning. Experiential learning. Sharing of experience. farmer facilitation. group dynamic.	Shit (VAA)
Day -6	14 weeks of Polam Badi field Study	Introduction. Team building. Agroecosystem analysis field visit	Shit (VAA)

WEEKLY REPORT

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

Objective of the Activity Done:

Detailed Report:

Method of procurement of grain:- The quality of grain should be checked at the Rythu Bazar Kendram & the available vehicles should be scheduled by VAA. At given ~~sche~~ scheduling time, Technical assistant with help of VAA should collect the grain from farmers threshing floor & bring it to RSK. The farmer should be take the available vehicles & load the sacks of grain, sacks should be weighed & send the copy to data entry. According to grain 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.

Current scenario of Ravichandri RSK:- The Kerenne village & area of RSK under rabi season 22-23 is 359 acres. Other pulses green, black gram, finger millet. The serial crop paddy is also cultivated 42 acres under this RSK.

Dr. Y.S.R. Polam - BAO - how it is conducted:- 1) Participatory 2) Experiential learning 3) sharing of experiences 4) Group Dynamic 5) Farmers facilitation.

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) Annual. 2) Biennial. 3) Perennial.	afit
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	afit
Day -3	Fertilizer application	1) Time of application 2) Place of application 3) Amount of application	afit
Day -4	Seed germination. Seed dormancy treatment. Seed types.	Scarification Stratification Chemical method treatment	afit
Day -5	Deficiencies of. Macro - Primary elements. N, P, K	Nitrogen - yellowing of leaves. Phosphorus (P) - purple colour. Potassium - Die colour.	afit
Day -6	Inter Cropping - To get - trap Cropping - more fl. Mona Cropping Multi Cropping	Cereals → Pulses. To escape from. Pests & diseases.	afit

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

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

2) Perennials: The crop which completes its life cycle in two or more than 2 years eg: Mango, Coconut.

3) Biennials: The crops which complete its life cycle in two years eg: Carrot, Beet

Criteria for essentially:-

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

2) The element must be directly involved in metabolism of plants seed germination: The process of seeds develop into new plants

Seed dormancy: Have all favourable condition to germinate but unable, treatment of 3 types.

1) Scarification

2) Stratification

3) Chemical method treatment

Seed types - 1) Monocotyledone 2) Dicotyledone.

ACTIVITY LOG FOR THE FORTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day -1	Ground nut : Scientific name : Arachis hypogaea.	- Major oil seed crop. - Arachis third product - mainly grown in Andhra Pradesh, Chittoor, Kurnool, Y.S.R. Kadapa	Dr. K
Day -2	Constraints groundnut Cultivation and Productivity	- lack of agricultural mechanization. - lack of micro nutrient management right time	Dr. K
Day -3	Suitable climate for Ground nut (Peanut)	- Area with low humidity are most suitable for ground nut	Dr. K
Day -4	Climate.	- require 500-1000 mm of Rainfall - Average temperature 25-28°C suitable.	Dr. K
Day -5	Soil suitable for groundnut crop	- light soil. - soil with Calcium & Sulphur ideal	Dr. K
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.	Dr. K

WEEKLY REPORT

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

Objective of the Activity Done:

Detailed Report:

Groundnut - *Arachis hypogea*

Groundnut is the major oil seed crop grown in our state. Among the groundnut growing states in India, Andhrapradesh ranks third in production and eighth in productivity after Gujarat & Rajasthan. It is grown in 7.35 lakh hectares in the state and produces 10.48 lakh tonnes. This crop is mainly grown in arid and semi-arid regions.

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 500-1200 mm of rainfall
- 4) Light soil & soils with calcium & surface are ideal
- 5) Sandy loam soil, red loamy soil are best
- 6) Soil with high organic matter & pH between 6.0-7.5 are best.

ACTIVITY LOG FOR THE FIFTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day - 1	<u>Groundnut</u> : Soil preparation, Season/ Condition, Varieties, Duration, (Period)	- Deep Weeding in Summer can reduce the incidence of crop damaging insects & pest. - Before sowing soil level	<i>[Signature]</i>
Day - 2	groundnut sowing Time & seed dose	North Coast: Early - Kharif / Summer march, april. Kharif: June, July Rabi: Nov and Dec	<i>[Signature]</i>
Day - 3	Groundnut:- Seed dose and sowing Time -	Rayalaseema. (Southern & Coastal) Main fall zones) Rabi: No Decd.	<i>[Signature]</i>
Day - 4	Seed dose of groundnut	Seed rate is deter- mined of seed size Sowing & Variety. The seed required. 52-56kg Kharif & 70-76kg Rabi	<i>[Signature]</i>
Day - 5	Seed treatment of groundnut	Per kg seed one gram of tebuconazole of 3 gram mancozeb trichoderma powder given	<i>[Signature]</i>
Day - 6	Seed treatment before sowing the seed of groundnut	Seeds should be first treated with insecticide after drying should be treated with fungicide.	<i>[Signature]</i>

WEEKLY REPORT

WEEK - 5 (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) Rayalaseema

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

Seed dose: Seed rate is determined by seed size sowing time, variety, Narayani, Kaliri, T.C.G.V. 911 M, dhanani, greeshma, Kadiri-9, G.A.G. 24, Kadiri,

Boldal, - The seed rate required is 52 - 56 kg in Kharif & 70-76 kg in Rabi Seed dose in

Kharif 64-68 kg, Rabi - 80-88 kg, Kadiri - 7, 8 Bold varieties seed dose in Kharif 44-52 kg in Rabi - 90 kg in

Seed treatment: Per kg seed 3 grams of Mancozeb, & Trichoderma powder should be required to treat a seed. When planting new variety of ground nut they should be first treated with Insecticide, 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 groundnut. Removal of seed dormancy in seeds of groundnut.	Dormant Varieties. (Kadiri - 9, 8, 9) seed 5ml ethereal (100) mixed to liter of water & soaked for 24 hrs.	<i>[Signature]</i>
Day - 2	Seed dormancy removal in groundnut seeds.	0.139% Ethephon 125ml mixed in 3 liter of water. Application 100kg of seed in 100kg.	<i>[Signature]</i>
Day - 3	Plant spacing and sowing method in groundnut.	Even in Early. Kharif. Bhuma, deera, nitya. - harita Varieties.	<i>[Signature]</i>
Day - 4	Sowing seeds of groundnut.	The seed should be sown either with a harrow. (or) tractor driven. Seed not only.	<i>[Signature]</i>
Day - 5	Fertilizer (urea) for groundnut crop.	^{last time} Fertilizer dose. Should be decided on soil test results. Require following	<i>[Signature]</i>
Day - 6	Fertilizer urea for groundnut crop.	^{DOSE} Nitrogen - 8 (15) 12 (20) GSP (Urea) Phosphorus - 16 (100) 12 (100) SSP Potash - 20 (33) 20 (33) Gypsum - 200 200	<i>[Signature]</i>

WEEKLY REPORT

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

Objective of the Activity Done:

Detailed Report:

Removal of seed dormancy in ground nut seed: Dormant varieties seed 500g. ethereal (100%) mixed in 10 liter of water & soaked in solution for 12 hrs & dried in shades & then seeds are shown (39%) Elthephon, 125ml mixed in 3 lit of water & spray on 100 kg of seed in curlight bags overnight (12hrs) & heat dry in shade & they are sown.

Sowing method & plant spacing: Even in early kharif Rheema deeraj, Nityaharitha varitieses should follow 30x10 cm plant spacing to sow the seeds.

Sowing seeds of groundnut: The seeds should be either with a harrow tractor driven seed drill.

At the time of sowing. the soil require enough moisture & the seed should not be sown more then 5cm deep can be reduced significantly.

fertilizers: Nitrogen (in form of urea) - 8(18) - rainfed crops 12(27) - Irrigation crops $\rightarrow$ N-8(18)-U.

fertilizers does should be decided on soil tests. Used the Nitrogen, 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	Plant population:- Based on plant spacing of groundnut	No. of plants per unit land. p.p. = 10,000 x B/w rows B/w plant spacing	<i>dfk</i>
Day -2	Deficiency Symptom. of nitrogen, phosphorus, potassium.	(N) - Yellowing leaves. (P) - purple colour (K) - discoloration of leaves.	<i>dfk</i>
Day -3	Water management in groundnut crop	if water is given through sprinkler 25% of crop will increase yield along saving water.	<i>dfk</i>
Day -4	Inter Cropping Trap Cropping mono Cropping multi Cropping	- more yield. To encap from pest & disease. 1 crop in given field per year.	<i>dfk</i>
Day -5	Water management of Peanut Crop.	Ground nut requires 400-450 mm of water. 8-9 taps are sufficient for light soils sprinkler. Drip - 90%.	<i>dfk</i>
Day -6	inter Cropping pattern Crop-	Castor, pearl millet Sorghum these can be intercropped with ground nut by this. Reduce groundnut	<i>dfk</i>

WEEKLY REPORT

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

Objective of the Activity Done:

Detailed Report:

Water management in ground nut crops:

Groundnut requires 400-450mm of water & in light soils 8-9 taps are sufficient. Before sowing, the soil should be watered well and 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 day depending on soil characteristics & clay soil percentage. If water is given through sprinklers, 25% crop water saving & yield increase. In case of drip cultivation, drippers should be placed at a distance of 90x90cm & 10mm of water should be given once every 3 days until the pods are formed, then 10mm of water should be given every two days.

Pattern of crops & Intercropping: Redgram, castor, pearl millet, can be intercropped with groundnut. The groundnut can be followed by green gram (अरहर) Horse gram. Groundnut Intercropping with paddy. The pests 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 destroy harmful insects farmers crop are clean & appreciate decisions.	<i>[Signature]</i>
Day - 2	Ground nut field. Environment analysis.	The major predator pest & pathogen in predator sylphid & pest.	<i>[Signature]</i>
Day - 3	pests in groundnut (1) Eczemat mite. (2) Aphids / black fly	Symptom - Suck. Juice of leaves. Control - spray monocroto neem oil. Suck the sap	<i>[Signature]</i>
Day - 4	pests - symptom / Control. (1) leaf hopper - mealybugs (2) leaf curl / folders	Symptom - Suck both mother and young child caterpillar. Suck sap from leaves. Control: monocroto neem oil	<i>[Signature]</i>
Day - 5	(7) Red caterpillar. (2) Tobacco caterpillar. Symptom/control measure.	Symptom - Caterpillar leaves show & stems. Control: monocroto neem oil. Control: quinalphos 500 ml.	<i>[Signature]</i>
Day - 6	biore in groundnut (1) Tikka leaf spot disease (2) Rust / Septoria	Symptom - Dark brown circular spots. Leaf hexagonal. Bitten formation under side symptom	<i>[Signature]</i>

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, spiders, aphids, weevils, syrphids are 4 types of predators. Trichogramma closely monitor the crop area & take appropriate decision after analysis.

pests: Eczemamites - Symptoms: Suck the juice of leaves, of curling shrivel of leaves & plants will become stunted.

Control measures: per acre monocrotophos 320ml + neem oil 1lit + 1kg soap powder per 200 liters of water sprayed 2 times in 10 to 15 days of interval.

Leaf hopper: Both young and & moths caterpillars suck soap on the underside of leaves.

Control: Monocrotophos 500ml Tobacco caterpillar - control -

Red caterpillar: Symptoms: Caterpillars eat the leaves & leave the shoots & stems.

Control measures: Dimethoate 400ml / monocrotophos 320ml

Disease - Tikka leaf spot: Brown spot on leaf - Hexaconazole - 400ml

Rust / soft rot disease: Small brick coloured lesions form on underside of leaves Mancozeb 400g

ACTIVITY LOG FOR THE NINETH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day -1	How is digital kiosk useful? which app used in kiosk	-Email, eMAPP, Shiksha, Animal, 4 Lubandg, market for need fertilizer.	<i>[Signature]</i>
Day -2	KIOSK importance.	-information on Certified agricultural products available. Village. -facility online purchase.	<i>[Signature]</i>
Day -3	Agricultural Agrin. net portal services. of Kiosk.	-Providing weather information. -facility know the market price Agricultural Product.	<i>[Signature]</i>
Day -4	Current Agriculture Scheme undergoing. Ravichandran RBK	(1) DRY SR Raithu, Bharola. (2) DRY. SR. Zero. interest crop loan	<i>[Signature]</i>
Day -5	Scheme. DR. V.S.R Raithu Bharola. 2 7500/-, 4000/-, 2000/-	-Govt of AP to financially assist farmer amount 13,500 per annum in. KIRAN.	<i>[Signature]</i>
Day -6	Who are eligible for Raithu Bharola	Cultivator belongs to landless, ST, backward & minority communities for Rythu Bharola.	<i>[Signature]</i>

WEEKLY REPORT

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

Objective of the Activity Done:

Detailed Report:

Digital Kiosk & Its uses:

- Apps - EMAID, CMAPP, fishers, Animal husbandary etc.
- Information on certified agricultural products available for villages
- providing weather information
- facility to know market prices of agriculture products
- Agriculture Agri net portal services

Current agriculture scheme undergoing at Parichendri RRB

- 1) Dr. Y.S.R. Rythu Bharosa
- 2) Dr. Y.S.R. zero crop loan interest
- 3) National food security mission
- 4) Soil health card scheme

1) Dr. Y.S.R. Rythu Bharosa :- It is a program launched by govt of A.P to financially assist farmers by depositing an amount of ₹13500 per annum in three installments, in association with PM-Kisan with state government contributing ₹ 7500 & 6000.

No difference between small farmers & big farmers. For all cultivators rythu Bharosa is allowed. Three Installments

- 1) Kharif - first Installment - 7500 PM - 5500 ; CM - 2000
- 2) October second Installment - 4000, PM - 2000, CM 2000
- 3) Harvest time - Third installment - 2000 - PM.

ACTIVITY LOG FOR THE FOURTEENTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day - 1	DR VAR Zero interest. - Crop loan Scheme.	- farmer loan is 75% state government - 41.5% Central government. Pay the loan faster.	<i>[Signature]</i>
Day - 2	Eligibility of this Scheme objectives before BENEFIT.	- main objective. Scheme in welfare of the farmer. action the state. - loan provided.	<i>[Signature]</i>
Day - 3	DR VAR - Zero interest. - Crop loan scheme. Details	- e. Crop registered. - farmer are eligible. - launched by CM Jagannathan Reddy.	<i>[Signature]</i>
Day - 4	National Food security (NFSM)	- Authorized by Central government of India - launched 2007 based on plan.	<i>[Signature]</i>
Day - 5	Objectives of NFSM (National Food Security Mission)	- Increase yield by increasing cultivation & productivity. Increase confidence of soil fertility.	<i>[Signature]</i>
Day - 6	NFSM - Main point.	- setting up of community demonstration farms to achieve high yield with low investment. Region.	<i>[Signature]</i>

WEEKLY REPORT

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

Objective of the Activity Done:

Detailed Report:

DR Y.S.R Zero interest Loan Scheme.

c- Crop registered farmers are eligible for this scheme. Farmers loans in Tl. Y.S.R Zero interest Crop loan is launched by the CM YS, Tapan mohan Reddy. This scheme mainly launched for the farmers across the state under this scheme all the farmers who taken Crop loan, Rs. 1 Lakh & Repay the same within 1 year will covered. Interest subsidy provided to the benefits this scheme.

Benefit :- It aims to free the farmers from vicious circle of money lender. Rather government will directly provide the interest subsidy loan provider. Scheme National food Security mission:- Authorized by the Central govt of India launched 2007 based on recommendation of agricultural. NDC.

Objectives:- (1) increase yield by increasing cultivated areas & productivity
(2) & increases the income of farmers & increase market.
Main point:- Setting up of Community demonstration farm to achieve high yield with low investment. High productivity crops according to agro crops.

ACTIVITY LOG FOR THE TENTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day -1	Soil conservation scheme. (or) Soil Healthy Card scheme	- for the year 2019-2020 the govt. of India selected Villager Pilot Project, Jechi,	<i>[Signature]</i>
Day -2	SHC. (Soil Healthy Card scheme)	- Analysis of soil samples in soil laboratory & provide Soil R 2, 500 per demonstration field	<i>[Signature]</i>
Day -3	Different steps in. - Soil testing	- Collection of soil sample. - Testing in laboratory - iron based result.	<i>[Signature]</i>
Day -4	Collection of Soil Samples	- Soil samples (or) Soil tests should analyzed in by time & collection taken and collect	<i>[Signature]</i>
Day -5	When the soil can be collected (sample)	- Soil samples can be taken at any time while fields better to pick reason	<i>[Signature]</i>
Day -6	When to take the Soil Samples	Soil Samples should be collected before harvesting	<i>[Signature]</i>

WEEKLY REPORT

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

Objective of the Activity Done:

Detailed Report:

Soil Health and Scheme (or) Soil Conservation

- For the year 2019-2020 government of India selected one village per mandal under village pilots projects and collected soil samples from every field. Analysing soil samples laboratories & providing Rs - 2500 per hectare for each demonstration field.

Different Stages in soil testing:-

- collection of soil samples.
- Testing in laboratory
- Fertilizer recommendation based on results.

Collection of soil samples:-

- Soil samples for soil tests should be analysed in a scientific manner followed by times & the collection all precaution should be taken. Soil Collection

When soil collection samples can be collected:-

- Soil samples can be taken at any time while the field are empty
- It is better pick ~~and~~ soil during summer seasons
- Soil samples collected before sowing harvesting.

ACTIVITY LOG FOR THE ELEVENTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day - 1	How much depth. Should by soil sample.	- it depends on the crops in ground & nature of soil agricultural crop. - Ginchel - 10 inch - 5-6 cm	<i>[Signature]</i>
Day - 2	Tools to collect soil sample	Soil samples can be taken with the help shovel, pickaxe, available farmer.	<i>[Signature]</i>
Day - 3	Soil sample & depth. how much ? How collect samples?	If field soil is of same type it is enough to take one sample. Sack 1/2 - 1 kg. 6-8 inches dig - 10 cm	<i>[Signature]</i>
Day - 4	Soil sample collection	The soil should be removed in a layer. Similarly soil should be collected soil is. Cloth in shade.	<i>[Signature]</i>
Day - 5	How much result. Soil samples can be known?	The detail of farmer related soil sample collection by registered soil health staff by collecting soil.	<i>[Signature]</i>
Day - 6	Soil test result. CHC (Custom Hiring Centre government	The detail of farmer have collected soil sample & analysis. Soil sample mobile number.	<i>[Signature]</i>

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 fruit gardens 5-6 feet (one sample per one feet)
- Soil samples can be taken with the help shovel.

Picane.

- available to farmers, soil, type, color, irrigation water availability depth, cultivation, methods variation crop yield should be taken separately. All the equal. Should be different when field basis when the whole field is of same type, it is enough to take one sample. Factors to collect the soil, sample, garbage, weeds etc..., zig zag method. the soil should be collected from 10-12 places, concern field.

Custom hiring Center (CHC) Government sanction.

input - 15 lakhs farmer share - 10% → 1,50,000

govt subsidy - 40% → 6,00,000

Crop loan govt → 50% 50,000, The increase

agricultural, puddling, spraying, Machine.

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 work organization. Good environment is always boosting up your interest the HR Office is more comfortable. And improving my interest with the farmer. It's better there is a good integration with my classmates and the faculty members in the organization, minimum facilities are available like fan, light, tables, chairs, Computers, green boards, Kiosk etc... as a student. The protocols are wearing a college uniform, & ID cards must and should be the internship - house. We have participated in the Polam badi programme organized by the agricultural complex tank. Has assigned group work, we will complete it at team work with a collaboration, every one, ideas, helpful enhancing my leadership.

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

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

During are interships. I had acquired both hard skills. and soft are required to stand out from others. in the industry be it an interview or in the work place. agricultural sector. demands, skillful - employer. I gained key skills. that are necessary to move forward. technology based skills, versatility time management organization skill managing include. Acquiring based skills such as, harvest, storage & Transport

- How to put my abilities (or) knowledge we perform Partical tasks area Scienc.
- How important smart agricultural technology is.
- How to use technology agricultural aim of improving yield, efficiency & profitability
- understanding work place cultural.
- Benefits modern technology term of agricultural
- Time managment is important how to divide your time b/w different activities tasks.
- How to stay to have knowledge from field. Operations of production technology & machinery

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 ~~util~~ utilize the time i.e, Time management. Team work. Total team depends on this. I had attained to bring patient & communicate. I have acquired a time management skill how to plan & how to divide time between various tasks. This skills takes into multiple ideas & perspectives. Understand the goal state & choose the best course of action. Identifying & solving problems aptitude to comprehend options need to carry out a lot of research, data collection, giving feedback, developing 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
- * Hold effective meetings, Attend workshops & online classes
- * Try not to make assumptions
- * Practice self awareness especially during through conversation
- * Don't be accusatory when raising an issue.
- * Get rid of those 'um's' & 'uh's'
- * Making eye contact while someone talking
- * Avoid distracting movement, keep good posture
- * In written communication, keep it short & sweet & keep words & sentences simple.
- * Use Active voice, Be with clarity, speak directly
- * Speak about your thoughts & ideas
- * Assertive & Active voice should be maintained.

Student Self Evaluation of the Short-Term Internship

Student Name: *Majji Dhilleswara Rao*

Registration No: *202200053024*

Term of Internship: *4th month* From: *14/12/2022*

To: *15/01/2023*

Date of Evaluation:

Organization Name & Address: *Agriculture department, L.N. Petal, Srikakulam*

Please rate your performance in the following areas:

Rating Scale:

Letter grade of CGPA calculation to be provided

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

Date:

M. Dhilleswara Rao
Signature of the Student

Evaluation by the Supervisor of the Intern Organization

Student Name: Majji. Dilleswara Rao

Registration No: 2022001053021

Term of Internship: 4th month From: 14/12/2022 To: 15/02/2023

Date of Evaluation:

Organization Name & Address: Andhra Pradesh, Srikakulam, L.N. Peta.

Name & Address of the Supervisor K. Pavani, 8008809373
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:


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

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: *Majji Dhilleswara Rao*

Programme of Study:

Year of Study:

Group: *B.Sc (M.P.E)*

Register No/H.T. No: *2022001053021*

Name of the College: *Government degree college (Men)*

University: *Dr. B.R ambedkar university*

Sl.No	Evaluation Criterion	Maximum Marks	Marks Awarded
1.	Activity Log	10	<i>9</i>
2.	Internship Evaluation	30	<i>27</i>
3.	Oral Presentation	10	<i>9</i>
	GRAND TOTAL	50	<i>45</i>

Date:

[Signature]
Signature of the Faculty Guide

EXTERNAL ASSESSMENT STATEMENT

Name Of the Student: Majji Dhilleswarra Rao

Programme of Study:

Year of Study:

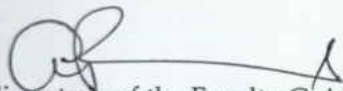
Group: B.Sc (M.P.E)

Register No/H.T. No: 2022001053021

Name of the College: Government Darghee College (Men)

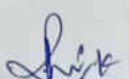
University: Dr. B.R. Ambedkar University

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: RAVICHANDRI
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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