

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: MOLLIKO MONOJ

Name of the College: Government College for Men SKM

Registration Number: 2022001566036

Period of Internship: From: 15/12/22 To: 18/3/23

Name & Address of the Intern Organization Agriculture (RBK)
Lankam

DY. B. R. AMBEDKAR **University**
YEAR

An Internship Report on

Agriculture R-B-K (Lonkam)

(Title of the Semester Internship Program)

Submitted in accordance with the requirement for the degree of

UG- BSC IIIrd year MCIC

Under the Faculty Guideship of

V.S.V.S. SATYANARAYANA

(Name of the Faculty Guide)

Department of

Govt Degree College (Men), SKLM

(Name of the College)

Submitted by:

MOLLIKO MONOJ

(Name of the Student)

Reg.No: 2022001566036

Department of B.Sc [MCIC]

GOVT. DEGREE COLLEGE (MEN), SKLM

(Name of the College)

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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.

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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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I. Mollika N
Program, Reg. N
College do here
from 15/12/202
the intern

B.Sc [M
(Name of the C



Student's Declaration

L. Malliko Monoj a student of Govt Degree College (men) SKLM
Program, Reg. No. 2022001566036 of the Department of Agriculture
College do hereby declare that I have completed the mandatory internship
from 15/11/2022 to 18/03/2023 in Agriculture (Monoj) (Name of
the intern organization) under the Faculty Guideship of
B.Sc (MCIC) (Name of the Faculty Guide), Department of
Govt Degree (Men) SKLM
(Name of the College)

M. Monoj
(Signature and Date)

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Official Certification

This is to certify that MOLLIKO MONOJ (Name of the student) Reg. No. 2022001566036 has completed his/her Internship in Agriculture (Lankam) (Name of the Intern Organization) on _____ (Title of the Internship) under my supervision as a part of partial fulfillment of the requirement for the Degree of BSC (MCIC) in the Department of Govt. Degree College (Name of the College).

This is accepted for evaluation.

Endorsements

Faculty Guide

NBS/K

Head of the Department

[Signature]

[Signature]
Principal

P. Dimp
(Signature with Date and Seal)
Lankam RBK
Srikakulam

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Certificate from Intern Organization

This is to certify that MOLLIKO MODOJ (Name of the intern)
Reg. No 2022001566036 of Gout Degree College ^{SKIM} (Name of the
College) underwent internship in AGRICULTURE RBK (NANKAM) (Name of the
Intern Organization) from 15/12/2022 to 18/03/2023

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

P. Dury
Authorized Signatory with Date and Seal
Village Agriculture Assis.....
Lankam RBK
Srikakulam

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.

Week:-

I worked in the internship in the Department of Agriculture visited the place in Agriculture Khajipade
I chose Agriculture department to know the current state of Agriculture and difference from past few years
I spent a day Khajipade from past few years I spent a day with Agriculture and I learn and observed many thing. The introduction is very friendly and very valuable through the introduction got to know to here are some other decide area which has to improved I discussed with the agriculturist and let them to know their problems and what they introduction are facing Through I have a friendly with In gave few suggestions to improve them which should be clear by

Government There are some other decide area which has to improved them

CHAPTER 2: OVERVIEW OF THE ORGANIZATION

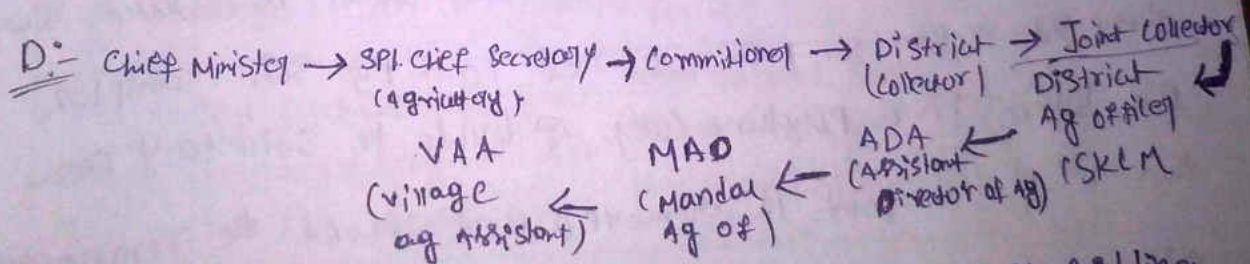
Suggestive contents

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

A:- Government of Andhra Pradesh has launched Raitha Bhagya Kendra on May 30th of 2020 year the government has started 10,641 RBK's across the state with an outlay of 200 Crores.

B:- 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 within 24-48 hours of ordering through kiosks, CH of machines, technical advisory and an attempt to bring the agriculture extension system more closely to the farmers.

C:- Earlier, this year the government has recruited agriculture assistant, horticulture assistant, veterinary fisheries Assistant having qualification in their respective field to work at RBK's the service are offered at RBK.



E:- Routine records, Prepares graphs & charts, visit fielding.

F:- Many crops are grown also regional demand. Many crops give incremental profit at a minimal investment 80% of production. 15% wholesale, 25% retail.

G:- RBK system is a giant step in bringing the system close 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.

Mainly we have learnt about Paddy procurement Processment processor Matatuyementoy working condition / Soil / testing Plambadi & e-crop.

Matatuyementoy:- 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 sample Moisture can be calculated by this Electronic Machine. Volume A, B, C & D cups are provided by applying different pressures.

Collection of Soil Samples for Soil test:-

The soil is taken from the field having dust particles. Test well leveled field soil is taken. Soil test should be conducted for every 3 to 4 year 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 or unevenly and now divide into 4 parts, now removed 2nd & 4th parts of soil. Up to the soil is condensed into $\frac{1}{2}$ kg of for Paddy field 15 cm depth is digged.

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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 1. Lankam RBK = 650 2. Vakala Valsala 3. Nandagupeta	Total no. of Farmers = 374 Total land in = 650	P. Dimp
Day - 2	Holi day	Holi day	P. Dimp
Day - 3	Purchase of grain through Rythu Bhroosa Kendras	Minimum support price Normal type - for quintal = 2040 for 80 Kg = 1632	P. Dimp
Day - 4	Quality parameters to be followed to get support price	The Maximum % allowed by central government is 10% i.e. waste material, soil, stones, immature	P. Dimp
Day - 5	Support prices for other agriculture producer. Registration done in RBK	Crops, available prices purchase period	P. Dimp
Day - 6	For purchase of grain by registering the crop who have completed KYC	Total Farmers 588 Farmers who have undergone e-KYC are 528	P. Dimp

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WEEKLY REPORT

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

Objective of the Activity Done:

Detailed Report: Lankam villages RBK

1. Lankam RK-6502, Nakala Valasa

3. Nanda Gini Peta

Purchase of grain through Pythu Bhara Kendra:-

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

• If sack are required for transportation, according to present calculation, the amount is paid directly MSP for general type's per 100kg - 2040/- for 80kg = 1632/-

Quality parameters to be met to get support price:-

Quality standards should be based central government

1. waste, soil, rakes - 1.0 ② Spoiled discoloured, sprouted - 5.0

3. Immature, shriveled, cutted grain - 3.0

4. Moisture level should be below - 17.0

All spoiled sprouted indecten reel grain must be not more than 4%,

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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 bag sent by the farmer within 21 day will be deposited in direct mode through DBT Method	P. Durg
Day -2	Current Scenario of Lankam RBK	Rab Season is Major Crop - groundnut a crop Lankam Major Demonstration Project	P. Durg
Day -3	DR Y.SR POLAM BADI 4 themes of Polam badi	1. Health Crop activity 2. Procuring friendly 3. Weekly Crop Monitoring 4. Making Farmers Project	P. Durg
Day -4	$ICM = IIM + IPM + WM + IWM + FM$	Integrated Crop Management = Integrated + Nutrient Mng Pest + water + weed + Management	P. Durg
Day -5	<u>POLAM BADI</u> :- Field study How it is conducted (Teaching method)	Participatory learning Experimental learning Sharing of experiences Farmers facilitators Group dynamics	P. Durg
Day -6	14 weeks of Polam badi field study	Introduction Team Building Agro Ecosy- stem analysis Field visit	P. Durg

WEEKLY REPORT

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

Objective of the Activity Done:

Detailed Report:

Method of Procurement of grain:- The quality standards of grain should be checked at the Rythu Bhamasa Kendaram & the available vehicles should be scheduled by VAA at given scheduling time. Technical assistant with help of VAA should collect the grain from farmers through 1000 (2kg) & bring it to RBK, the farmer should take the available vehicles & loads the sacks of grain should be weighed & send the copy generated & the name of the mill in the truck sheet & send the grain to the respective mill 24 hours. After reaching miller data & generate in FTD.

Current Scenario of Lankam RBK:-

The Revenue village area of RBK under revenue 22-23 in 350 acres ground 75 acres, maize Lankam - 6 acres, other Pulses - green, black, sugar millet, Sesamum, irrigation 12/1000 LMC the serial crop Paddy is also cultivated 42 acres under the RBK.

Dr Y.S.R Polam Badi:-

1. Participatory
2. Experiential learning
3. Sharing of experiences
4. Group dynamics
5. Farmer's facilitators

ACTIVITY LOG FOR THE THIRD WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day - 1	Crop Classification	1. Annuals 2. Biennials 3. Perennial	P. Dimp
Day - 2	Criteria for essentiality & essential nutrient	Macro Nutrients C, H, O, N, P, K, S, Ca, Mg, Micro Nutrients B, Zn, Mn, Fe, Cu, Ni	P. Dimp
Day - 3	Fertilizers application	1. Time of application 2. Place of application 3. Amount of application	P. Dimp
Day - 4	Seed germination Seed dormancy - treatment method Seed types	Scarification Stratification Chemical method treatment	P. Dimp
Day - 5	Deficiencies of Macro-Primary elements N, P, K	Nitrogen (N) - Yellowing of leaves Phosphorus (P) - Purple color Potassium (K) - Discoloration	P. Dimp
Day - 6	Inter Cropping - To get more yield Trap Cropping, Mono cropping, Multi Cropping	Legals - Pulses To escape from pests & diseases	P. Dimp

WEEKLY REPORT

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

Objective of the Activity Done:

Detailed Report:

Crop Classification:- 3 types

1. Annuals
2. Biennials
3. Perennials

(1) Annuals:- The crop which completes its life cycle in a year. E.g:- Tomato, Maize

(2) Perennials:- The crop which completes its life cycle more than two years. E.g:- Mango, Coconut, Cashew, Beans

(3) Biennials:- The crops which complete their life cycle in two years. E.g. Carrot, Beet

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.

Speed germination:- The process of seeds developing into new plants

Speed dormancy:- Have all favour conditions to germinate but unable to do so in 3 types

1. Stratification
2. Scarification

3. Chemical method treatment. Spec types: 1. Monocotyledonous 2. Dicotyledonous

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: Arachis hypogaea	Major oilseed crop → A rank 4 th in production → mainly grown in ^{Amhara}	P. Dimeye
Day - 2	Constraints in groundnut cultivation and productivity	→ Lack of agricultural mechanization	P. Dimeye
Day - 3	Suitable climate for groundnut (peanut)	Area with low humidity are most suitable for groundnut	P. Dimeye
Day - 4	Climate	It grows in 500-1200 mm of rain fall. Average temperature of 25-28°C are suitable	P. Dimeye
Day - 5	Soils suitable for groundnut crop	- light soils → soils with calcium & sulfur are ideal	P. Dimeye
Day - 6	Soils which suit best to grow groundnut high organic matter	Sandy loamy soils are best loamy soils pH = 6.0 - 7.5 are best	P. Dimeye

WEEKLY REPORT

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

Objective of the Activity Done:

Detailed Report:

Groundnut - *Arachis hypogaea*

Groundnut is the Major Oil Seed Crop grown in our State. Among the groundnut growing states in India, A.P ranks third in Production and eight in Productivity after ~~Andhra Pradesh~~ Gujarat & Rajasthan. It is grown in 7.35 lakh hectares in the state & produces 10.48 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 the stress resistant in groundnut
 2. Lack of agricultural mechanization
 3. Lack of proper water & micronutrient at right time
- Climate and Soil:-

1. Areas ~~with~~ with low humidity are most suitable for groundnut.
2. Average temperature of 25-28°C are suitable
3. It requires 500-1200 MM of rain fall.
4. Sandy loam soils, red loamy soils are best
5. Light soils & soils with Calcium & Sulphur are

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.	Deep weeding in summer conclude the incidence of crop damaging insects & pest	P. Binyu
Day - 2	Groundnut - Sowing time & Seed dose	Day in coast, Early Kharif/summer March-April, Kharif, Jun, July Rabi - Nov to Dec 15	P. Binyu
Day - 3	Groundnut seed dose and sowing time	Rajelaxema Kharif - 1st week of July Rabi - Nov - Dec 15	P. Binyu
Day - 4	Seed dose of groundnut	Seed rate is determined by seed size no., Sowing time & variety the seed rate required 40-76 kg in Rabi	P. Binyu
Day - 5	Seed treatment of groundnut	Per 1 kg seed one gram of tube control or 3 gm of Monocrotophos	P. Binyu
Day - 6	Seed treatment before sowing the seeds of groundnut	Seed should be 1st treated with insecticide after drying in shade.	P. Binyu

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 - Nov - Dec 15

Rayblseema:- (South & low plain zones):

Kharif: First week of July - Aug ; Rabi

Rabi : upto Nov - Dec 15

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

time & variety. Narayani kadi in T-611-24 kadiji Amaravati

Haridandze Anaraj, Bheema, kadiji-9, T-61 24, kadiji

Amaravati, the seed rate require 52-56 kg in Kharif &

70-76 kg in Rabi. Nityabridha Seed rate in Kharif -

60-64 kg kadiji Amaravati / Haridandze, Anaraj - in Rabi

80-84 kg, Bheem variety seed dose in Kharif 44-52

kg in Rabi; 70 kg is required seed treatment:- per

kg seed 3 grams of Mancozeb trichoderma powder

should be required to treat a seed, when planting

New variety seed should be 1st treated with

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 Seed ethrel (100%) Mixed in liter of water & soaked in sol	P. Dimp
Day - 2	Seed dormancy removal in groundnut seeds	12.5 ML mixed in 3 Lit of water & spray on 100 kg of seed in air drier	P. Dimp
Day - 3	Plant Spacing and Sowing Method in Groundnut	Even in Early Kharif Bheema, deera, Nitro harita varieties	P. Dimp
Day - 4	Sowing seeds of groundnut	The seed should be sown either with a harrow (or) tractor driven seed drill	P. Dimp
Day - 5	Fertilizers for groundnut crop	Fertilizer doses should be decided on soil test	P. Dimp
Day - 6	Fertilizers useful for groundnut crop	Rain Nitrogen - 8 (18) 10 (13) (urea) Phosphorus - 16 (40) 10 (10) Zinc Sulphate 20 20	P. Dimp

WEEKLY REPORT

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

Objective of the Activity Done:

Detailed Report:

Removal of seed dormancy in groundnut :- Dormant varieties seed ethyl (100%) mixed in 10 liter of water & soaked in solution for 12 hrs & dried in shade & then seeds are sown (or) (39-1) Ethephon 125 Ml mixed in 3 lit of H₂O spray on 100 kg of seed in airtight bags overnight (12 hrs) next day in shade & they are sown.

Sowing method & plant spacing :-

Even in early Kharif -

Bhama, deej, nityaharika varieties should follow 30x10cm plant spacing to sow the seeds.

Sowing seeds of groundnut :-

The seeds should be sown either with a harrow (or) tractor driven seed drill. At the time of sowing the soil require enough moisture & the seed should not be sown more than 5cm deep.

Fertilizers :-

Nitrogen in form of urea - 8 (18)

rainfed crops 12 (27) irrigation crops → N-8 (18)

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 plant per unit of land $PP = \frac{10,000}{\text{Row plant spacing}} \times \text{Row spacing}$	P. Dinye
Day -2	Deficiency signs symptoms of Nitrogen, phosphorus, Potassium	N - Yellowing of leaf P - Purple colour K - Discolour	P. Dinye
Day -3	Water management of Peanut crop	Groundnut requires 400-500 M.M of H ₂ O 8-9 top are sufficient	P. Dinye
Day -4	Water management in groundnut crop	If water is given through sprinkler 25% of crop	P. Dinye
Day -5	Inter cropping trap cropping Mono cropping Multi-cropping	- More yield - To escape from pests & diseases - 1 crop is grown	P. Dinye
Day -6	Intercropping pattern of crops	Castor, Pearl millet Sorghum - these can be intercropped	P. Dinye

WEEKLY REPORT

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

Objective of the Activity Done:

Detailed Report: Water Management in Groundnut Crop
Groundnut requires 400-450 mm of water & fortnight soils & q. hrs are sufficient. Before sowing the soil should be watering 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 interval of 7-10 day depending on soil characteristics & clay soil percentage the last water should be given 15 day before harvest from the stage landing of pods to the stage of ripening of nuts. the seed is sensitive from 45-50 days to 85-90 days so in this stage water should be properly in amount. If water is given through sprinkler 25% crop water saving & yield i.c. in case of drip cultivation. Drip PRY should be placed at a distance of 90x90 cm & 10 mm of water should be given once every 3 day until the pods are formed then 10 mm of water should be given every two day.

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	Pests contain friendly insects that destroy harmful insects	P. Dimp
Day - 2	Groundnut field environment analysis	The major are predators & pathogens. In predators	P. Dimp
Day - 3	Pests in groundnut 1. ECZEMA Mites 2. Aphids / black fly	Symptom - Suck juice of leaves Control - Spray	P. Dimp
Day - 4	Holiday	Holiday	P. Dimp
Day - 5	1. Red Caterpillar 2. Tobacco Caterpillar Symptoms	Symptom :- Caterpillar eat leaves & leave the shoot & stem Control	P. Dimp
Day - 6	Diseases in groundnut system & control 1. Tikka leaf spot disease 2. Rust / Saffron 3. Stem rot virus	Symptom - Dark brown circular spots on leaves Hexa ole 400ml Symptom - Black spots & stomata	P. Dimp

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, symphids are
4 types of Predator. Trichogramma, Telenomus
destroy the larval stage. Farmers should conduct
regular surveillance, closely monitor the crop and
take appropriate decision after analysis.

Pests:- EC3 mamester - Symptoms:- Such the juice
of leaves coming shrivel of leaves & plant will be
come Stunted.

Control Measures:- For EC3 mamester. 32 ml
of neem oil + 1 liter + 1 kg soap
powder for 200 litres of H₂O. The seed should be
sprayed 2 time in total 15 days interval.

Black fly:- As clusters they suck the sap

Leaf miner:- Symptoms:- Both young & mother
collects such sap on the underside of leaves
and form of clusters on leaves & suck sap - imbricoid
GOM

disease:- Small black coloured britten from on leaves.

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	- E-Maid, CHA-PP Fishery, Animal Husbandry, Market lab do field videos	P. Diney
Day - 2	Kiosk importance	→ Information on with field agriculture products is available for villagers → facility of online	P. Diney
Day - 3	Agriculture Agri-net portal services of kiosk	→ providing weather information	P. Diney
Day - 4	Current Agricultural Schemes under going at ANK Lankam RBK	1. Dr Y.S.R Rajitha Bharosa 2. Dr Y.S.R zero interest Govt loan 3. National Food Security Machine	P. Diney
Day - 5	Scheme Dr. Y.S.R Rajitha Bharosa ₹ 500/-, 4000/-, 200/-	Govt of A.P do financially assist farmer by depositing own amount of 13,500 per annum in 3 instalments.	P. Diney
Day - 6	Who are Eligible for Rajitha Bharosa	Cultivators belong ing to landless SC, ST back work & Minority Communities.	P. Diney

WEEKLY REPORT

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

Objective of the Activity Done:

Detailed Report:

Digital kiosk & its uses

APP:- EMAID, CMAPP, Fishery, Animal husbandry etc

→ Information on certified agricultural products - available for villages

→ Facility of online purchase & door delivery

→ Providing weather information

→ Facility to know Market prices of agriculture produce

→ Agriculture Agri net portal services

Current Agriculture scheme undergoing at
Lankam RBK

1. Dr YSR Raitha Bhargava

2. Dr Y.S.R. Zero Crop Loss

3. National Food Security mission

4. Soil health card scheme.

1. Raitha Bhargava

1. Kharif - First installment - 7,500 PM 5500, CM 2000

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

3. Harvest time - Third installment - 2000 PM

ACTIVITY LOG FOR THE TENTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day -1	Dr. Y.S.R Zero interest Crop loan Scheme	Former loan is 7% State government is 3% Centre " 3%	P. Dimp
Day -2	Eligibility of the Scheme objectives & Benefits	- Main objective of Scheme is welfare of the farmer as per state	P. Dimp
Day -3	Dr. Y.S.R Zero interest Crop loan Scheme Details	crop registered are eligible - launched by C.M. Jagan Mohan Reddy	P. Dimp
Day -4	National Food Security Mission (NFSM)	Authorized by Central government of India, - launched 2007	P. Dimp
Day -5	Objectives of NFSM (National Food Security Mission)	increase yield by i.c cultivated & production	P. Dimp
Day -6	NFSM Main Points	- setting up of community demonstration	P. Dimp

WEEKLY REPORT

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

Objective of the Activity Done:

Detailed Report:

Dr. Y.S.R Zero Interest Loan Scheme
Crop registered farmers are eligible for this scheme. Farmers loan is 7%. Y.S.R zero interest crop loan is launched by CM YS Jagan Mohan Reddy. This scheme is mainly launched for the farmers across the state under this scheme all the farmers who take crop loans up to Rs 1 lakh if repay the same within 1 year will be covered interest subsidy will be provided to the beneficiary farmers under this scheme.

National Food Security Mission:-

Authorized by Central Govt of India launched in 2007. Based on recommendation of Agriculture Sub-committee of NDC. National Development Council.

ACTIVITY LOG FOR THE ELEVENTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day -1	Soil Conservation Scheme	-for the year 2019-2020, the gov of India selected one village as model	P. Divya
Day -2	SHC - Soil Health Card Scheme	Analysis of soil sample in soil laboratory & provide	P. Divya
Day -3	Different steps in Soil testing	→ Collection of soil sample. → Testing in the Laboratory	P. Divya
Day -4	Collection of soil sample	→ soil sample for soil test should be analyzed a scientific manner for time	P. Divya
Day -5	When the soil can be collected (sample)	Soil sample can be taken at any time when the field are empty.	P. Divya
Day -6	When to take the soil sample	soil sample should be collected before sowing & after harvesting	P. Divya

WEEKLY REPORT

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

Objective of the Activity Done:

Detailed Report: Soil health Cond Scheme

For the year 2019-2020 the government of India selected and village Per mandal under village Pilot Project. ONGC & collected Soil samples from Every field.

Analysis of soil samples in soil laboratory & provision of soil analysis document before plowing. do not provide document RS-2500 per hectare for each demonstration field.

Different stages in soil testing:-

- Collection of soil samples
- testing in the laboratory
- fertilizer recommendations based on results.

Collection of soil samples:-

→ Soil samples for soil tests should be analyzed in a scientific manner followed by time & the collection site.

all precautions should be taken in soil collection.

When the soil samples can be collected:-

- Soil samples can be taken at any time while the fields are empty
- It is better to pick soil during the summer season

ACTIVITY LOG FOR THE TWELFTH 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	P. Diney
Day - 2	Tools to collect soil samples	Soil samples can be taken with the help of shovel, pickaxe available to farmers	P. Diney
Day - 3	Soil sample depth how much? How to collect sample?	If field soil is of same type it is enough to take one sample for 5 acres.	P. Diney
Day - 4	Soil Samples Collection	The soil should be removed in a thin layer from top to bottom similarly soil should be collected from 10-15 cm	P. Diney
Day - 5	How the results of soil samples can be known?	The details of farmer related to soil samples collection should be registered in soil health.	P. Diney
Day - 6	Soil test results CHC [Custom Hiring Centre]	The details of farmers who have collected the soil sample & the analysis results of soil samples are being sent to their mobile number	P. Diney

WEEKLY REPORT

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

Objective of the Activity Done:

Detailed Report: Depth of Soil Samples Collection:-

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

→ For Agriculture crops - 6 inches, For Fruits Gardens 5-6 feet core sample per one feet.

→ Soil samples can be taken with the help of shovel, Pickaxe available to farmers soil, type color, irrigation water availability, depth cultivation methods variation in crop yield should be taken separately.

All the equals should be different when the fields are indentified, no matter how small the area of the field on basis. When the whole field is of same type it is enough to take one sample for 5 acres. To collect soil sample garbage, weeds etc should be thrown away Dig a shovel hole 6-8 inches deep using shovels, zig zag method.

The soil should be removed in a tin layer from top to bottom similarly soil should be removed in a tin layer from top to bottom similarly soil should be collected from 10-12 places. The details of farmer related to soil sample collection should

CHAPTER 5: OUTCOMES DESCRIPTION

Describe the work environment you have experienced (in terms of people interactions, facilities available and maintenance, clarity of job roles, protocols, procedures, processes, discipline, time management, harmonious relationships, socialization, mutual support and teamwork, motivation, space and ventilation, etc.)

Good Environment is very important for learning & doing any work in an organization. Good Environment is always boosting up your interest. The RBK Office, is more comfortable and improving my interest of going work. The overall Environment is good. It feels good to interact with the farmers. In the Organization, Minimum facilities are available like fan, light, tables, chair, computer, green board, kiosk etc. As a student the protocols are wearing a college uniform & ID card must and should be in the internship hours, we have participated in the Polam badi programme organised by the Agriculture department of A.P.

I acquired and I learn 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 an internship, I had acquired both hard skills and soft skills are required to stand out from others in the industry. be it an interview or in the workplace. Agriculture sector demands skillful employees. I gained key skills that are necessary to move forward.

Technology based skills, Verbal ability time management & organization skills managing data adaptability are the basic skill. On thing such as Irrigation use of Pesticide, improving methods & techniques of cultivation, harvest, storage & transport.

- ⇒ How to put my abilities (or) knowledge used to perform practical tasks in the areas of science.
- ⇒ How important smart agriculture technology is.
- ⇒ understanding workplace culture.
- ⇒ Benefits of Modern technology in terms of agriculture.
- ⇒ interpersonal skills interact well with others.
- ⇒ How to stay update to have knowledge from seed operation to production technologies & 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 if includes vision, plan for future leadership skills are focused on power & ability to lead others people time ~~man~~ Management is one of the main important role in everyone's life in this organization the time management Team work, total team depends on this. An organization development depends on team work in this organization the way you communicate being patient Balancing & time management. I had attained to being patient & communicate. I have acquired a time management skill how to plan & how to divide time b/w various tasks. Improvement in competencies is to attain motivation others, written communication, Honesty vision Creativity, & Delegation. I learned a good decision making skills like creative skills. This skills taken into multiple ideas & ~~perspectives~~ perspectives. Understand the goal state & choose the best course of action.

Describe how you could improve your communication skills (in terms of improvement in oral communication, written communication, conversational abilities, confidence levels while communicating, anxiety management, understanding others, getting understood by others, extempore speech, ability to articulate the key points, closing the conversation, maintaining niceties and protocols, greeting, thanking and appreciating others, etc.,)

There are many 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.
- 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
- Never respond to message when you are upset
- Speak about your thought & ideas
- Assertive & Active voice should be maintained.

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

The organization structure was so effective. My staff members and my friends helped me to cope 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 skill, communication skills, social skills & behaviour, politeness, teamwork, confidence and listening ability.

I enjoyed working in a discussion with group. By listening ability well to the ideas of other speaker, I learned something. Speaking confidently by using an appropriate tone is effective for participation in teams. Active listening is the attention of other members. As a team member, I respected other, and I am helpful to other team members by saying enthusiasm. As a team member, I learnt to be a positive mind set. It leads to have knowledge of your role. It also develops a listening skill or a active listening.

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

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 farmers. Digitalization makes the farming ~~easy~~ or easy.

Arrangement of digital kiosk is also the part of technological development we have seen in RBKs. Will have digital kiosks through which the farmer can place the orders of products like Fertilizer seed etc will be delivered at the doorstep. Through the technological development it will help farmers to markets the agricultural produce better. In early days to know the 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 within a minute.

Student Self Evaluation of the Short-Term Internship

Student Name: MOLLIKO MONOJ Registration No: 2022001566036
Term of Internship: From: 15/12/22 To: 18/3/23
Date of Evaluation: 18/03/23
Organization Name & Address: Agriculture - RBK - Iankam

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. Monoj
Signature of the Student

Evaluation by the Supervisor of the Intern Organization

Page No



Student Name: **MOLLIKO MONOJ** Registration No: **2022001566036**

Term of Internship: From: **15/12/22** To: **18/3/23**

Date of Evaluation: **18/3/23**

Organization Name & Address: **Agriculture RBK - Lankam**

Name & Address of the Supervisor with Mobile Number: **P. Divya Agriculture R.B.K. Lankam 18008211683**

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:

P. Divya
Signature of the Supervisor
Village Agriculture
Lankam RBK
Srikakulam

Page No

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: MOLLIKO MONOJ
Programme of Study: Agriculture RBK - Lankam
Year of Study: 2020 - 2023
Group: B.SC MKIC
Register No/H.T. No: 2022001566036
Name of the College: GOVT Degree College [Men] SKLM
University: DY. B. R. AMBEDKAR University SKLM

Sl.No	Evaluation Criterion	Maximum Marks	Marks Awarded
1.	Activity Log	10	7
2.	Internship Evaluation	30	27
3.	Oral Presentation	10	7
	GRAND TOTAL	50	41

Date:

Signature of the Faculty Guide

Page No

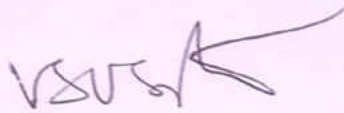


EXTERNAL ASSESSMENT STATEMENT

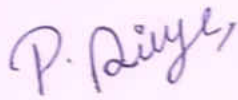
Name Of the Student: **MOLLIKO MONOJ**
Programme of Study: **Agriculture RBK - Iankam**
Year of Study: **2020 - 2023**
Group: **BSC MLIC**
Register No/H.T. No: **2022001566036**
Name of the College: **Govt Degree College (Men) SKLM**
University: **Dr. B.R Ambedkar University SKLM**

Sl.No	Evaluation Criterion	Maximum Marks	Marks Awarded
1.	Internship Evaluation	80	76
2.	For the grading giving by the Supervisor of the Intern Organization	20	17
3.	Viva-Voce	50	45
	TOTAL	150	138
GRAND TOTAL (EXT. 50 M + INT. 100M)		200	179

Signature of the Faculty Guide



Signature of the Internal Expert



Signature of the External Expert



Signature of the Principal with Seal





ANDHRA PRADESH STATE COUNCIL OF HIGHER EDUCATION

(A Statutory Body of the Government of Andhra Pradesh)

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