Student READY Programme

RURAL AWARENESS WORK EXPERIENCE (RAWE) AND AGRO-INDUSTRIAL ATTACHMENT (AIA)

MANUAL

B.Sc. (Hons.) Agriculture
Semester VII (New)
(As per V Deans' Committee)

VASANTRAO NAIK MARATHWADA KRISHI VIDYAPEETH
PARBHANI - 431 402 [MS] INDIA

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B.Sc. (Hons.) Agriculture
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Compiled and Edited under the Chairmanship of

Dr.D.N.Gokhale
Director of Instructions and Dean F/A

By

Dr.G.M.Waghmare
Associate Dean & Principal, CoA, Badnapur

Dr.R.P.Kadam
Head, Dept. of Extension Education

Dr. G.A.Bhalerao
Deputy Registrar (Academic), VNMKV, Parbhani

Dr.R.V.Chavan
Asstt. Professor, Dept. of Agril. Economics

Dr.P.S.Kapse
Asstt. Professor, Dept. of Extension Education

Dr.G.M.Kote
Associate Professor, Dept. of Agronomy

VASANTRAO NAIK MARATHWADA KRISHI VIDYAPEETH
PARBHANI - 431 402 (M.S.) INDI

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Implementation of RAWE & AIA

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Rural Awareness Work Experience (RAWE)

Student READY
(Rural Entrepreneurship Awareness Development Yojana)

Student READY programme (Rural Entrepreneurship Awareness Development Yojana) is a new initiative of Indian Council of Agricultural Research to reorient graduates of Agriculture and allied subjects for ensuring and assuring employability and develop entrepreneurs for emerging knowledge intensive agriculture. Introduction of the programme in all the Agricultural Universities as an essential prerequisite for the award of degree to ensure hands on experience and practical training depending on the requirements of respective discipline and local demands.

This programme includes five components i.e. Experiential Learning, Rural Awareness Works Experience, In-Plant Training/Industrial attachment, Hands-on training (HOT)/Skill development training and Students Projects. All these components are interactive and are conceptualized for building skills in project development and execution, decision-making, individual and team coordination, approach to problem solving, accounting, quality control, marketing and resolving conflicts, etc. with end to end approach.

The Rural Awareness Works Experience (RAWE) helps the students primarily to understand the rural situations, status of technologies adopted by farmers, prioritize the farmers problems and to develop skills and attitude of working with farm families for overall development in rural area. The programme will help in building confidence, skill and acquire Indigenous Technical Knowledge (ITK) of the locality and thereby, preparing the pass-out for self-employment and Experiential Learning (EL) helps the student to develop competence, capability, capacity building, acquiring skills, expertise and confidence to start their own enterprise and turn “Job Creators instead of Job Seekers”. This is a step towards “Earn while Learn” concept.

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Rural Awareness Work Experience (RAWE)

The Rural Awareness Work Experience (RAWE) provides exposure to agricultural students to the natural setting of the village situations, work with the farm families, identify their problems and make use of various extension tools for transferring the latest agricultural technologies. The students also get an opportunity to study the various on-going schemes related to agriculture and rural development and participate in their implementation. The students would be given rigorous orientation and familiarization on various issues and problems expected on farmers' field and hence would gain competence and confidence for solving problems related to agriculture and allied sciences. It would be implemented in adopted villages under the supervision of scientists. Activities designed are mainly focused on intensive observations/analysis of socio-economic and technological profile of the farm families in rural areas, participatory extension approach and acquaintance with farming situations, farm practices and interaction with progressive farmers. Soil testing has become the integral part of RAWE. The RAWE programme will help orient our agricultural graduates for participation in various rural developmental programme.

The students will also gain first hand information on industries during attachment with identified agro based industries. The Rural Awareness Work Experience (RAWE) will help the students primarily to understand the rural situations, status of agricultural technologies adopted by farmers, prioritize the farmers' problems, prepare farm and village development plans and to develop skills and attitude of working with farm families for overall development in rural area. The timings for RAWE proposed coincide with the main cropping season. The main objectives of this component are:

- To provide an opportunity to the students to understand the rural setting in relation to agriculture and allied activities.
- To make the students familiar with socio-economic conditions of the farmers and their problems.

- To impart diagnostic and remedial knowledge to the students relevant to real field situations through practical training.
- To develop communication skills in students using extension teaching methods in transfer of technology.
- To develop confidence and competence to solve agricultural problems.
- To acquaint students with on-going extension and rural development programmes.

S.N.	Degree Programme	Student Ready Component	Credits	Duration (weeks)	Semester
1	B.Sc. (Hons) Agriculture	RAWE/AIA	0+20=20	24	VII
		ELP/HOT (Two Modules)	0+20=20	24	VIII

***Above components are as per V Dean's committee report.**

Ref: Student READY manual, 2016. Published by ICAR, New Delhi

1. Eligibility:

- As per the provisions of the academic rules approved by MCAER from time to time, students who are eligible for promotion to VII semester shall register for RAWE programme. Once the students registered for RAWE programme, they will not be allowed to register for any other courses.
- The students wishing to register for the Student READY programme should have completed all the courses successfully.
- The registration of the student will be provisional till the declaration of previous semester result. The student would not be allowed to register previous semester courses as regular. However as per the academic rules and regulations students having only F grade/repeat subjects are allowed to register for the course.
- The student must maintain merit and good conduct as certified by the Head of College/University/Institution. He/ She should not remain absent during programme without prior permission of the competent Authority.
- Assignment/allotment of components of Student READY shall be based on merit of the student at the end of 5th semester.
- The candidate should not participate in any agitation/strike and should not take up any job even on part time basis or any other financial assistance or the same activities during the period.
- Any student in the event of recording short off attendance has to re-register the program when offered next by paying the assigned fee. He shall not be entitled to receive the stipend in that case.

2. Registration:

- The students shall register for Student READY program at the College on the date notified by the MCAER/University. After registration at the respective College, students will report to the Chairman of RAWE centre (In charge of Research Centres/KVKs/Agril.Tech.Schools, senior academic staff nominated by the Associate Dean / Principal) immediately to which the students are attached. Once the students are allotted to a centre, they will not be allowed to change the centre on any ground. The college will ask the students to fill up the forms given in Annexure IX to XI.

3. Duration:

- RAWE and AIA program consisting of four components should be implemented for 24 weeks.

4. Weightages:

- The RAWE and AIA having 20 credit load.

Rural Agricultural Work Experience and Agro-industrial Attachment (RAWE & AIA)

Sr. No.	Course No.	Programme detail (Activities)	Duration (Weeks)	Credits
1	Pre-evaluation of students, General orientation and on campus training by different faculties		10	10
2	**SRP-401**	Village Attachment		
3	**SRP-402**	Plant Clinic (ENTO, PLANT PATH., SSAC)	2	2
4	Report preparation and Evaluation of Village attachment and plant clinic		2	2 (NC)
5	**SRP-403**	Unit Attachment in University / College/KVK or a Research station a. KVK b. RARS (Regional Agril. Research Station) c. College other than Alma matter or own / Media lab d. NGO/ ATMA / State Agril. Department	4 (As follows) 1 1 1 1	4
6	**SRP-404**	Agro-Industrial Attachment	4	4
7	Report preparation and Evaluation of Unit attachment & AIA		2	2 (NC)
Total weeks and credits for RAWE & AIA			**24**	**20**
The college may have flexibility in implementation of RAWE components without modifications in the duration of component				

- **Village Attachment:** The students would be placed in villages for a period of 10 weeks to understand the rural situation in relation to agriculture and allied activities. They would be in touch with various village components including farmers to record their observations in the field on daily basis.

- **Plant Clinic:** In continuation with the village attachment programme, the students would simultaneously undergo plant clinic activities which will impart diagnostic and remedial knowledge relevant to real field situation through practical training. Plant clinic activities would be completed in co-ordination with concerned unit where the student is attached for unit attachment.
- **Unit attachment in university/College/KVK/Research station:** The students would be attached with government/university/ ICAR units engaged in the region to get acquainted with the on-going research/educational and extension activities and rural development programmes through farmers training, workshops etc.
- **Agro-Industrial Attachment:** The students would be attached/placed with/in the agro-industries including cottage industries and commodities boards for a period of four weeks to get exposure and an experience of the industrial environment and working. This will develop confidence and competence among students.

5. Task Force:

Considering the uniqueness of the Student READY programme, the university should depute a Student READY co-ordinator (Single or Region wise) to co-ordinate the program. Similarly, for monitoring and effective implementation, every college should also form a Student READY Task force. The task force will be led by Student READY co-ordinator at college level. He will be responsible for the Student READY activities in the college. The other team members should include RAWE Co-ordinator (Agril. Extension) to facilitate RAWE and AIA program of the college and Managing Director of Module (Head of Section of concern module) for successful implementation of ELP module clusters. Further, in order to execute and plan the Student READY program at grass root level and to supervise the day to day activities of students Programme officer (for village attachment), Plant Clinic Co-ordinator (from Agril. Entomology / Plant Pathology / Soil Science and Agril. Chemistry department for Plant clinic), Unit Co-ordinator (for unit attachment), AIA placement officer (Agril. Economics/Agril Engineering / Agril Botany) and In-charge Faculty of module (Concern Module Incharge) should take active part as a task force. The task force will be responsible for planning, designing, execution and management of Student READY at college level. Thus, the

TASK FORCE is playing a pivotal and decisive role in ambitious Student READY program.

For the effective implementation of RAWE and AIA, the college will appoint a component wise officer to supervise and stream line the various components. The Programme Officer for village attachment, Unit co-ordinator, Plant Clinic co-ordinator and AIA placement officer will work in co-ordination under the chairmanship of nominee appointed by the concerned Associate Dean.

6. Planning and implementation of programme:

1. Implementation of RAWE and AIA:

I. The students would register for the RAWE and AIA program. The programme will be implemented for 24 weeks.

II. In order to have effective implementation of RAWE and AIA, the program is divided into following components

a) Pre-evaluation, General orientation & on campus training and Village attachment: 10 weeks
b) Plant Clinic: 2 weeks
c) Unit attachment: 4 Weeks
d) Agro-industrial attachment: 4 weeks
e) Report preparation and evaluation for every component:
Two weeks for Village Attachment & Plant Clinic Attachment. Two weeks for Unit attachment & AIA.

7. Selection of RAWE centre

The concerned college will prepare a list of centers under its jurisdiction for allotment of the students in RAWE programme. The centers shall be Agricultural Research Centres/KVKs/Agricultural Tech. schools or any other centre which the college find suitable. The Associate Dean/Principal of the college shall allot about 25 to 30 students to each centre. The students shall be placed at the centre which is 25 to 50 km away from the college.

Once the students are allotted to the centre, they will not be allowed to change the centre on any grounds. The students shall report immediately to the centre –village allotted to him /her after orientation.

8. Selection of Villages

The Programme Officer of the concerned centre should select the villages for village attachment of students in consultation with the Chairman of the centre. After finalizing, the list of the villages will be submitted to the Associate Dean /Principal of the College before commencement of the VII semester.

Villages to be selected should be connected by road preferably within the radius of 05-50 km of the centre. The selected villages should fulfil minimum criteria prescribed from time to time. There should be at least 100 farm families in the village. Village should be capable of providing lodging and boarding facilities to the students. The villages to be selected should have as many agricultural enterprises as possible *viz*. crop production, horticulture, dairy, sheep and goat rearing, poultry, sericulture, apiculture and fishery etc. The repetition of the villages should be avoided. At least for the three consecutive years the previously allotted village should not be selected.

9. Placement of students

On completion of orientation programme, the Associate Dean/Principle shall allot a batch of 25-35 students to the selected centre under jurisdiction of college for village attachment.

Normally one student shall be attached to one identified host farmer in the village with whom he/she has to work during village attachment. In general, 5 to 6 students shall be posted in each village.

The due care is to be taken while placing the girl students for village attachment. As far as possible girl students shall be allotted to the research centre considering convenience.

10. Selection of host farmers

The host farmers are the contact farmers with whom the students of RAWE programme, during village attachment are attached for studying various prescribed agricultural interventions. These progressive farmers shall be selected as host farmers in each village by the students in consultation with Programme Officer and the Chairman of the RAWE centre.

The Programme Officer in consultation with Chairman shall submit the village-wise list of the host farmers of his centre to the Associate Dean /Principal of the College.

Criteria for selection of the host farmers

Farmers should be cooperative, progressive in outlook, knowledgeable and willing to work as host farmers for RAWE programme.

i) The farmers should grow at least two major crops of the region, horticultural crop and practice maximum number of enterprises on their farms.

ii) Farmers should allow the students to observe the farm operations, take part in carrying out the operations and provide all the requisite information to the students.

iii) Big farmers as far as possible be avoided for being selected as host farmers as they are generally in habit of entrusting the students to others.

iv) Farmers should not be repeated every year.

11. Stay of students during village attachment

i) The Chairman of the Advisory Committee and Programme Officer will facilitate in providing accommodation to the students during their stay in the village.

ii) The students will have to make their own arrangement for lodging and boarding and bear all the cost thereof.

iii) Students will have to make their own arrangement of convenience. They should prefer government transport services.

iv) Students will have to make their own arrangement of conveyance from village to farm fields. Students are expected to use Bicycles for local movements and avoid Scooters/Motor cycle/Bikes etc.

12. Attendance and discipline:

ii) Attendance should be minimum 85 per cent.

iii) Every student shall stay in the village allotted to him for the entire semester of RAWE & AIA programme.

iv) In no case the period of stay in the village shall be extended to make up the shortage of attendance of the students.

v) In the event of falling short of attendance, the student will be detained and he will have to register for RAWE programme when offered next. However, during this period he will not be eligible for stipend.

vi) If a student shows unsatisfactory progress during the course of his attachment or gives up the chosen course of studies before its completion without any prior approval of the Head of Institution or is irregular in attendance, the stipend will be cancelled by the Head of Institute itself. The stipend once canceled will not be restored, no matter whatever the reasons adduced.

vii) The student must maintain merit and good conduct as certified by the Head of College/University/Institution. He/ She should not remain absent during programme without prior permission of the competent Authority.

viii) The students shall maintain well discipline during entire period of their placement in the village. Any misconduct of the students in the village will be viewed seriously and such students should be expelled from the RAWE programme/ College.

ix) There will be common dress code for all the students offering RAWE. The student should always carry their identity cards in the village and during the meetings/visits.

x) The candidate should not participate in any agitation/strike and should not take up any job even on part time basis or any other financial assistance or the same activities during the period. The College/University will bring to the notice of ICAR any adverse report that may have been necessitated due to habitual/irregularity, misbehavior, participation in strikes etc. The student will not be paid their stipend or during the period of the trainee remains on conduct probation.

13. Payment of stipend

For the important activity of RAWE & AIA, students need to be provided stipend as they have to mostly live outside and incur expenditure. All the students undergoing RAWE and AIA programme are eligible for receiving stipend @ Rs.3000/- per month (Rs. 2500/- as ICAR share + Rs. 500/- as State Share) for maximum of six months. Every student shall be paid stipend per month or as decided by the Government from time to time. An amount of Rs.500/- per student per month provided by ICAR share towards operational expenses shall be used as contingency at the disposal of Associate Dean / Principal for monitoring, evaluation and

implementation of RAWE programme. However, students who have re-registered for RAWE shall not be eligible to receive the stipend. Stipend is to be paid for the actual days of presence of students.

A student undergoing RAWE will not be allowed to avail of any other fellowship during tenure of stipend of the Council. In case a candidate is already receiving any other fellowship/Scholarship it will be surrendered by him before accepting stipend of the Council. Merit cum means scholarship, Freeship is, however, not covered under the above conditions.

14. Programme of work:

i) **Pre-evaluation, general orientation and on campus training by different faculties:** The students immediately after registration will be pre-evaluated for their expectations and other aspects related with the rural situation/conditions. The detailed orientation programme will be conducted by the concern college in order to make the students aware about Student READY and to give the appropriate guidelines of every component under study. The department wise training will be scheduled to impart the training in various aspects by the faculties of college.

ii) Immediately after the orientation at the respective college the students shall report to the Chairman of the centre

iii) The students after orientation programme will be placed in villages. The program officer in consultation with AIA placement officer, Plant clinic co-ordinator and Unit attachment co-ordinator will plan for respective attachments. The students will reside in their allotted villages for the entire period except for AIA attachment.

iv) As soon as the students report at the centre, Chairman will allot the village and will be given period to select host farmers with whom he has to work for RAWE programme. Host farmer should be selected in consultation with programme officer and Chairman of the centre.

v) Students shall maintain daily diary of the work performed for very component of RAWE and AIA.

vi) Students shall report to the Programme Officer once in a fortnight as per the dates fixed by the Chairman of the centre for submission of

their daily diary for the purpose of taking review of fortnightly work performed by the students.

vii) Students shall submit a certificate of the host farmer to the Chairman of the centre in the prescribed proforma at the end of every month.

15. Supervision of programme

i. Formation of Advisory Committee for Village attachment (SRP-401)

An Advisory Committee shall be constituted by the Associate Dean/Principal of concerned College for each centre to which students are allotted for providing necessary guidance in implementation of RAWE programme.

The advisory committee shall consist of the following members:

i. In-charge of the respective centre/ KVK/ Associate Professor or Professor of the constituent college / Associate Professor or Principal of the affiliated college **Chairman**

ii. Programme Officer **Member**

iii. One SMS from SMS team nominated by the Associate Dean of the constituent College in his jurisdiction **Member**

iv. The host farmer **Member**

The Advisory Committee will be responsible to formulate RAWE programme for each student allotted to the centre, get it executed, supervised and scrutinized the work of the students. The advisory committee shall meet monthly to review and monitor the RAWE programme.

Programme Coordinator:

Programme Coordinator shall be the representative of the Associate Dean of the respective college in the cadre of **Professor / Associate Professor preferably in the discipline of Extension Education.** He will visit each village when the students are placed at all the centers once in a month and coordinate the activities in every month. He will also attend the meeting convened by the Chairman of the centre.

Appointment of Programme Officer:

As Programme Officer is the pivot for successful working of the RAWE programme, he should be a senior and experienced person in the cadre of Assistant Professor. The Programme Officer will act as main functionary between the students of RAWE centre, AIA and the college.

Duties of Programme Officer:

The Associate Dean/Principal of the concerned college will appoint one faculty as Programme Officer for each centre where the students will be allotted for the RAWE programme.

The Programme officer will perform the following duties.

ii) Programme Officer will identify the villages and the host farmer of the centre for village attachment.

iii) Programme officer in consultation with unit co-ordinator, plant clinic co-ordinator and AIA placement officer will plan the RAWE and AIA activities smoothly.

iv) Programme Officer will act as a primary contact person for the students in their day to day work.

v) Programme Officer will maintain attendance of students by frequent visits (at least once in every week) to the villages where the students are placed.

vi) Programme Officer shall guide the students in planning and execution of various extension activities.

vii) Programme Officer will keep watch for regular submission of monthly diaries and reports.

viii) Programme Officer will help the students in securing accommodation and solving other problems as and when required.

ix) Programme Officer shall undertake the final presentation of students about RAWE report in the form of power point presentation.

Subject Matter Specialists (SMSs):

The Associate Dean/Principal of the concerned college will appoint Subject Matter Specialists from all the disciplines. Subject Matter Specialists (SMSs) shall visit the villages where the students are placed at least once in a month during the RAWE programme and provide technical guidance for the respective interventions. The members of the SMS team of the constituent colleges and the concerned students shall attend the monthly meeting of the advisory committee of affiliated colleges in each month in their jurisdiction. He/she will discuss the progress, monitor the activities and undertake the reviews of the work done and guide the future activities.

ii. Advisory Committee for Plant Clinic Attachment:

The Programme Coordinator in consultation with the Associate Dean will appoint a coordinator for Plant Clinic. The Advisory committee for Plant Clinic will be as follow

1.	Plant Clinic Co-ordinator	Chairman
2	Two faculties from ENTO / PATH / SSAC	Member
3	Programme Officer	Member
4	Faculty from AGRO/HORT	Member

Duties of Plant Clinic Co-ordinator:

The Associate Dean/Principal of the concerned college will appoint one senior faculty as Plant clinic Co-ordinator for all the centres in region. As a co-ordinator, the faculty will plan the activities under RAWE component 3 i.e. Plant Clinic. He shall guide the students in respect of knowledge centre, diagnostics of plants in coordination with KVK/RARS in the region. He shall provide necessary expertise for effective implementation of plant clinic in the region by providing experts and other resources. He will shoulder all the responsibilities for SRP-402. He will act as a Chairman of the evaluation committee for Plant Clinic.

iii. Advisory committee for Unit attachment:

The programme coordinator in consultation with the Associate Dean shall appoint a Unit coordinator or he may assign the duties to programme officer. The advisory committee for Unit attachment shall be as follow;

1.	The Head/Incharge of the Unit (KVK/ATS/ARS) or his nominee	Chairman
2	Unit Coordinator (EXTN/ECON)	Member
3	Programme officer	Member

Duties of Unit Attachment Co-ordinator:

The Associate Dean/Principal of the concerned college will appoint one faculty as Unit Attachment Co-ordinator for all the centres in region. As a co-ordinator, the faculty will plan the activities under RAWE **component -3** i.e. Unit attachment. He shall prepare a meticulous schedule

for all the centres of RAWE in consultation with programme officers of respective centres. He will arrange the visits of students and co-ordinate the activities to be done at respective KVK, RARS. College (other than Alma matter) and ATMA, NGO and Project / Scheme of State Agril. Department etc. He will shoulder all the responsibilities for **SRP-403**. He will arrange the evaluation schedule/program for evaluating students after completion of unit attachment after 4 weeks.

iv. Advisory committee for AIA attachment:

The programme coordinator in consultation with the Associate Dean shall appoint a coordinator for Agro Industry Attachment. The advisory committee for AIA will be as follow;

1.	AIA Placement officer (Agril. ECON/ENGG/ Agril. Botany)	Chairman
2	Programme officer	Member
3	Faculty from Econ/Engg	Member
4	Agro-Industry Official	Member

Duties of AIA Placement Officer:

The Associate Dean/Principal of the concerned college will appoint one senior faculty as AIA Placement Officer (Agril. ECON/Agril. ENGG/ Agril. Botany) for all the centers in the region. AIA placement officer is key person for effective placements of students in different agro-industries. Before the commencement of Student READY every year, he will finalize the list of agro-industries, commodity boards, SHG based on the list of industries provided by the Head of Section of different departments. He will look after the necessary formalities like MOU etc. wherever needed. The programme officer in consultation with AIA placement officer will plan the AI attachment of students. He will visit industries to supervise the students and coordinate the AIA activities at least for once. He will also attend the meeting convened by the Industry persons. As a coordinator, the faculty will plan the activities under **RAWE component 4** i**.e. Agro-industrial Attachment.** He will arrange the evaluation schedule/program for evaluating students after completion of agro-industrial attachment after

4 weeks. He will act as a Chairman of the evaluation committee for agro-industrial attachment.

16. Monthly meeting:

The Chairman of the respective Advisory Committee shall convene meeting of all students attached to the station at least once in a month and discuss the progress of work and problems of the students came across during village attachment, unit attachment, plant clinic and AIA attachment.

17. Work Diary:

The student will maintain a daily diary for the entire Student READY program. He will record all the observations and various operations during his village attachment, unit attachment, plant clinic and agro-industrial attachments. The daily diary will be maintained for all subjects. He will also prepare a monthly abstract for the work done by him in all RAWE and AIA components. Every student will submit daily diary and monthly abstract to the Chairman of Advisory Committee through Programme Officer at the end of every month which will be checked and evaluated by the Programme Officer and Chairman.

18. Layout of Courses

Week –I: Pre-evaluation, general orientation and on campus training by different faculties (1 weeks)

The students immediately after registration will be pre-evaluated for their expectations and other aspects related with the rural situation/conditions. The Associate Dean/Principal of the respective college shall organize detailed orientation programme for the students registered for Student READY programme. The Chairman, Programme Coordinator, Programme Officers, members of Task Force, SMS and Heads of the concerned sections will participate in orientation programme. During the orientation programme representatives of agro-industries, Bank Officials and concerned staff of Agriculture department will be invited to provide the information related to agriculture and rural development. The department wise training will be scheduled to impart the training in various aspects by the faculties of college. The students will be oriented

with the Student READY components viz; RAWE & AIA and ELP Module Cluster on the following aspects.

a) Objectives of the Student READY programme
b) Organization of the Student READY programme
c) Guidelines of every component of Student READY i.e. RAWE and AIA and ELP Module Cluster.
d) Programme of work during village attachment
e) Programme of work during Unit attachment
f) Programme of work in Plant Clinic
g) Programme of work during Agro-Industrial Attachment
h) Objectives and business plan of ELP module cluster
i) Various reports to be prepared during various attachments.
j) Discipline and conduct
k) Evaluation System
l) Various activities/programmes/schemes of the Agriculture department implemented by the State agricultural department in study area
m) Various programmes / schemes of the banks for the development of farmers

RAWE Component – I (0+10 Credits)

Week I to X: (10 weeks)
Registration, general orientation, subject wise orientation and on campus training of students by different faculties should be completed within One Week after registration.

SRP-401 Village Attachment Training Programme

The village attachment is designed to understand the rural situations, status of agricultural technologies adopted by farmers, prioritize the farmer's problems and to develop skills and attitude of working with farm families for overall development in rural area. This will impart diagnostic and remedial knowledge to the students relevant to real field situations

through practical training. The detailed training programme during the village attachment of students is given below;

Sr. No.	Activity	Duration
1	On campus training & Orientation, Settlement in village	1 week
2	Orientation & Survey of village (AGRO Weather data and PRA)	1 week
3	Agronomical interventions including seed production	1 week
4	Plant protection interventions	1 week
5	Soil improvement interventions (Soil sampling & testing)	1 week
6	Fruit, Vegetable and flower production interventions	1 week
7	Food processing and storage inventions	1 week
8	Animal production interventions	1 week
9	Extension and transfer of technology activities	1 week
10	Economics and farm management interventions	1 week
	Total	**10 weeks**

List of Schedules & Demonstrations

Rural Awareness Work Experience Interventions:

Students should complete the assigned schedules as per the interventions under study. They can choose any **two demonstrations** for each intervention from second week onwards. The Schedule and demonstration given for first week of village attachment is mandatory. The list is indicative and not all inclusive and students can select any other intervention depending upon availability and access like Automation in Drip Irrigation, Cold Storage, Agro Processing Unit, exclusive ITK intervention, Geographical Index (G.I.) Tag, outstanding success story, export unit, application of Internet of Things (IoT), artificial intelligence, remote sensing, geographical positioning system, drone technology, etc.

Intervention wise Schedule and Demonstration List

I. Pre-evaluation & Orientation, on campus Training

II. Orientation and Village Survey:

Schedules:

1. The schedule regarding the weather data is mandatory. The student should collect the last year and current year weather data and present with graphs. The data should be location specific and should be based on GPS location (AGRO Mandatory Schedule).
2. Conducting PRA (Participatory Rural Appraisal), Techno-socioeconomic survey of village and group discussion with village leader: Overall condition of village, resource endowment and its utilization, problems of labour and employment and other important economic aspects, location of host farmer house and survey numbers (**Extension Schedule I**)

III. a. Agronomical Interventions including seed production:

Schedules:

1A. Cost of cultivation [Maintenance of daily operations (any one major crop)] (**AGRO 1A**)

1B. Documentation of Indigenous Technical Knowledge (ITK) practices followed in cultivation of agronomical crops in the village **(AGRO-1B)**

III. b. Agricultural Botany interventions

2A. Seed Production and its cost of Field/Horticultural Crops **(BOT 1A)**

2B. Collection of Germplasm (Wild Species, Landraces, Local Varieties etc) **(BOT 1B)**

2C. Study the performance of New Variety / Popular Variety of field / Horticulture Crops (**BOT 1C**)

Demonstrations:

A) Agronomy

1. Demonstration on integrated weed management in major crops
2. Demonstration on advanced crop production technology from preparatory tillage to post harvest technology and marketing in major crops
3. Study on advanced irrigation systems (Sprinkler / Drip / Sub-surface /automation/fertigation) by the host farmer
4. Study on knowledge and extent of farm mechanization by host farmer.
5. Demonstration on mechanization in agronomical practices and comparison with local practices.
6. Demonstrations of preparation of organic inputs
7. Knowledge and utilization of apps in seeking crop production technology information

B. Agricultural Botany

1. Demonstration on seed germination testing of major crops.
2. Roughing in seed production plot of major crops.
3. Seed treatment for germination.
4. Seed classes and importance of their tags
5. Safe seed storage

IV. Plant Protection Interventions:

(A) Agricultural Entomology

Schedules:

1A. General position of insect pests in a village and pests situation in host farmers field.

1B. Insect pest management on Host farmer's field

2. Monitoring for incidence and determining extent of damage and Integrated pests management (IPM) of major crops of host farmer

Demonstrations:

1. Group discussion / Farmers Field School on IPM technology for major crops
2. Group discussion on identification of pests and beneficial insects
3. Demonstration on seed treatment of chemicals for major crops of host farmer
4. Demonstration on handling, use and maintenance of agro-

chemicals and spraying and dusting equipment

5. Monitoring of insect pests and their economic threshold level of insect pests and suggest to control measures
6. Demonstration on identification and control of stored grain pests
7. Demonstration on preparation and application of 5% Neem Seed Kernel Extract (NSKE)
8. Demonstration on preparation of spray solution and spraying in the field
9. Demonstration / Group discussion on Apiculture / Sericulture and bio agents
10. Monitoring of major insect pests through traps
11. Preparation of pests album and maintain of insect collection box
12. Monitoring of non insect pests
13. Use of ICT in plant protection

(B) Plant Pathology

Schedules:

1A. General position of plant diseases in a village and disease situation in a host farmers field. (PATH Schedule 1A)

1B. Plant disease management on Host farmer's field (IDM of one major crop) (One management) (PATH Schedule 1B)

Demonstrations:

1. Group discussion / Farmers Field School on IDM technology for major crops.
2. Demonstration on seed treatment (Chemical and Biological) for major crops of host farmer.
3. Demonstration on handling, use and maintenance of agro-chemicals and spraying and dusting equipment.
4. Demonstration on preparation of spray solution and spraying in the field.
5. Demonstration on preparation and use of Bordeaux mixture / Bordeaux paste.
6. Demonstration on production technology of BGA, Azolla, etc. bio-fertilizers.
7. Demonstration of mushroom production technology.
8. Knowledge and utilization of apps in seeking information about plant protection measures.

V. Soil Improvement Interventions (Soil sampling and testing):
Schedules:

1A. Plot wise soil study, Crop Yield, manures and fertilizers used and soil testing report (SSAC Schedule 1A)

1B. Recommendations based on soil report

1C. Soil Profile Study

2. Diagnosis of deficiency/toxicity symptoms of different nutrients and their management

Demonstrations:

1. Demonstration on collection of soil samples, preferably using Geo Positioning System (GPS)
2. Demonstration on preparation of compost / FYM / NADEP
3. Demonstration on preparation of vermi-compost
4. Demonstration on green manuring
5. Demonstration on application of macro /micro nutrients by observing symptoms on crops
6. Demonstration on application of fertilizers to fruit crops
7. Demonstration on recycling of organic matter
8. Group discussion on interpretation and application of Soil Health Card
9. Group discussion on Integrated Nutrient Management (INM) of major crops
10. Group discussion on role and importance of micro nutrients in crop production
11. Group discussion on saline, alkaline, sodic, acidic, etc. problem soils and its reclamation
12. Group discussion on role of Bio-fertilizers in improving yields, saving fertilizers and soil health
13. Demonstration on quality control in fertilizers and judging adulteration of fertilizers
14. Demonstration on preparation of multi-nutrients fertilizer
15. Demonstration on use of Plant Growth Regulators (PGRs)
16. Demonstration on judging suitability of water for irrigation

VI. Fruit, Vegetable and Flower Production Interventions:
Schedules:

1. Documentation of daily operations of major horticultural crops (HORT Schedule 1)
2. Documentation of Indigenous Technical Knowledge (ITK) practices followed in cultivation of major horticultural crops in the village (HORT Schedule 2)

Demonstrations:

1. Demonstration of budding and grafting techniques in horticultural crops
2. Demonstration on layout of orchards for horticultural crops
3. Demonstration on digging and filling of pits for horticultural crops
4. Demonstration in scientific plantation of horticultural crops
5. Maintenance and aftercare of major horticultural crops
6. Demonstration on rejuvenation of old orchards
7. Knowledge and utilization of apps in seeking information about production technology of horticultural crops
8. Demonstration on seed bed preparation
9. Group discussion on nursery management

VII. Food Processing and Storage Interventions:
Schedules:

1. Study of agro processing industry in village and vicinity and agro processing and preservation undertaken by host farmer for domestic consumption (ENGG Schedule 1)
2. Documentation of Indigenous Technical Knowledge (ITK) practices followed in food processing, preservation and storage in the village

Demonstrations:

1. Demonstration on Zero Energy Cool Chamber
2. Scientific drying and storage of cereals, pulses and oilseeds
3. Primary processing of cereals
4. Demonstration on value addition through *Dal* making
5. Demonstration on value addition through oil extraction
6. Demonstration on preparation of value added products of fruits, vegetables and flowers
7. Demonstration on Preparation of milk products (Curd, Paneer, Khoa, Butter Milk, Lassi, Butter, Ghee, Ice-Cream, Basundi, Pedha, etc.)
8. Demonstration on storage of processed agro products

9. Group discussion on scientific packaging of agri-horticultural commodities, processed products and their storage
10. Group discussion / demonstration on changes in physical, chemical, biochemical and sensory properties of processed foods

VIII. Animal Production Interventions:

Schedules:

1A. Documentation of daily, monthly maintenance and management of animals
1B. Production, utilization and marketing of animal products and byproducts
2. Documentation of Indigenous Technical Knowledge (ITK) practices followed in care and management of livestock in the village

Demonstrations:

1. Demonstration on cleaning and disinfection of cattle shed / animal shelter
2. Demonstration on clean milk production
3. Organization of animal vaccination and dewormimg campaign in the village
4. Demonstration of preparation of low cost livestock feed / ration
5. Demonstration on fodder treatment
6. Demonstration on preparation of silage
7. Demonstration on improved management practices of different animals
8. Demonstration on feeding standards of different animals
9. Organization of poultry vaccination campaign in the village
10. Demonstration / group discussion on introduction, feasibility and benefits of back yard poultry of improved poultry breeds
11. Knowledge and utilization of apps in seeking livestock management information

IX. Extension and Transfer of Technology Interventions:

Schedules:

1. Survey on utilization of internet and Mobile applications by the Farmers for agricultural purpose (Extension Schedule II)

Demonstrations:

1. Organization of group discussion on important need of villagers
2. Organization of need based training class
3. Organization of farmers rally and agricultural exhibition
4. Organization of result demonstration
5. Preparation and telecast of important intervention on YouTube
6. Preparation and archiving of successful intervention news in print / electronic media
7. Organization of method demonstration
8. Formation, utilization and evaluation of farmers group on social media
9. Documentation, publicity and archiving of agricultural success story in the village.
10. Documentation through digital platform of success story of farmers such as video preparation.
11. Preparation of information corner
12. Organization of social activities such tree plantation, blood donation etc.

X. Agricultural Economics and Farm Management Interventions:

Schedules:

1. Techno-socio economic survey of host farmer (AG-ECON Schedule- 1)

2 A. Record of daily operations (plot wise / crop wise) carried (including land development) and calculating cost of cultivation/ production

2B. Cost of cultivation for all crops

2C. Consolidated annual expenditure and receipt statement from animal Enterprises

Demonstrations:

1. Preparation of bank proposal for host farmer
2. Study of existing crop plan and preparation of alternative crop plan
3. Study of partial and complete budget of host farmer
4. Study on utilization of market intelligence by host farmer
5. Demonstration on marketing of processed agro products
6. Knowledge and utilization of apps in marketing of farm produce / processed products.

RAWE Component II (0+2 Credits)

XI –XII : Plant Clinic attachment (2 Weeks) SRP-402 Plant Clinic:

Plant health is the most important aspect which is affected by a large magnitude of living and non-living factors. Plants may be adversely affected by biotic and abiotic factors which require careful observations to come on any conclusion. Thus, in order to enable the student to diagnose the constraints accurately and to increase the on-farm problem solving ability in real life situation for initiation of right action at right time, the students would be engaged in plant clinic activities. Plant clinic activities would be conducted in co-ordination with concern unit where the student is attached for unit attachment under the guidance of Plant Clinic coordinator. The students will undergo practically the various aspects of plant diagnostics, crop loss assessment, survey and surveillance of pest, diseases, weeds and deficiency symptoms. The plant clinic activities will be carried out for two weeks including one week for evaluation.

Sr. No.	Activity	Duration
1	Diagnosis of pest, diseases, weed & nutrient deficiency, Crop loss assessment, survey & surveillance	1 week
2	Development of Knowledge centre, Spot recommendation for the pest, disease, weeds and nutrient management with the help of expert and preparation of prescription card	1 week
3	Report preparation, Evaluation of Village attachment and Plant clinic	2 weeks

Plant Clinic Schedule 1: Plant Disease album

Plant Clinic Schedule 2: Diagnosis of damage made by different pests

Plant Clinic Schedule 3: Weed album

Plant Clinic Schedule 4: Diagnosis of deficiency/ toxicity symptoms and management

XIII - XIV: Report preparation and Evaluation of Village attachment and Plant Clinic

In order to have timely submission and error less reporting, the students will be evaluated by evaluation committee immediately after completion of village attachment and plant clinic as both the activities are implemented simultaneously by students during their stay in respective villages. They will be evaluated by two committees appointed for village attachment and plant clinic on the basis of the report submitted, discipline and conduct, viva-voce, presentation and activities learnt in village attachment.

RAWE Component –III (0+4 Credits)

XV to XVIII: Unit Attachment (4 weeks)

SRP-403 Unit attachment in university/College/KVK/Research station:

The student would be visiting the research, educational, extension, NGO units engaged in the field of agriculture and rural development. They will get acquainted with the new technologies in the fields related with agriculture and allied subjects. They will also study the functioning of such unit and prepare a study report. The duration for unit attachment is four weeks. The students will also arrange a field visit of farmers in villages to such units. The students will be exposed to learn the organizational set up and pattern of the unit. The students will actually get engaged in understanding and implementing the on-going programme in various units.

Plan of Unit attachment:

Sr. No.	Activity	Duration
1	KVK attachment	1 week
2	RARS attachment	1 week
3	NGOs / Cooperative Society / Banks	1 week
4	Programme / Schemes of ATMA / State Agril. Department / ZP (Panchayat Raj)	1 week

RAWE Component IV (0+4 Credits)

XIX –XXII: Agro-Industry Attachment (4 Weeks)

Agro-industrial attachment and training of short duration in relevant industry is useful to gain the knowledge and experience of the work culture. This will expose the students to the industrial environment enhancing skill and help in developing job creating culture. Thus the

students shall be placed in Agro and Cottage industries and Commodities Boards for 4 weeks. The students will be assigned following activities and tasks during their agro-industrial attachments.

Activities and Tasks during Agro-Industrial Attachment Programme

- Acquaintance with industry and staff
- Study of structure, functioning, objective and mandates of the industry
- Study of various processing units and hands-on trainings under supervision of industry staff
- Ethics of industry
- Employment generated by the industry
- Contribution of the industry promoting environment
- Learning business network including outlets of the industry
- Skill development in all crucial tasks of the industry
- Documentation of the activities and task performed by the students
- Performance evaluation, appraisal and ranking of students

The placement of the students will be done on merit basis and individual interest provided the seats are available. If possible, the students would be placed on the basis of cluster ELP selection. The programme officer and AIA placement officer will prepare a list of potential industries in the region on the basis of the information provided by respective departments and plan the placement of students on demand basis. The students should maintain decorum of college, university during their placement and stay in the industry. Any misbehavior and lack of conduct will be liable to cancel the registration for AIA component. The industries include seed/sapling production, pesticides-insecticides, post-harvest processing, value addition, agri-finance institutions, SHG, Green houses, Irrigation industries, precision farms, progressive farmers unique projects etc.

XIII-XIV:Report preparation and Evaluation of Unit attachment & AIA
Report preparation and Evaluation of Unit attachment

The students will be evaluated by evaluation committee immediately in the fifth week on the basis of the report submitted, viva-voce and activities learnt in unit attachment and their implementation in villages attached.

The evaluation of student for AIA shall be done by evaluation committee appointed by the Associate Dean/Principal of respective colleges. The committee should consist of Agro-Industry official as one of the members. For AIA, the students will be evaluated on the basis of initiative and compliance (10%), general conduct and discipline (10%), project planning and implementation (10%), work performance (20%), report preparation (20%), presentation (10%), viva-voce (10%) and innovative ideas/project in respect of entrepreneurship development (10%). The student appearing for the final evaluation will have to produce the completion certificate for Agro-Industrial training given by concern industry/industry authorities mentioning the period of training. The format is enclosed as an Annexure-IX in the report.

Project Report Preparation, Final Presentation and Evaluation of AIA

Report writing (Annexure VI)

Report writing is an important aspect of RAWE & AIA work and should be undertaken responsibly by the students under the guidance of Centre In-charge and Programme Officer/SMS/Unit Coordinator/Plant Clinic Coordinator/AIA Coordinator. Report writing is a skill that the extension agent can develop and put to good use. As a guide to writing a report, the following are a few general hints to bear in mind.

Ensure that all the information and data which will go into the report are collected/gathered from reliable sources.

Plan the report before writing and decide upon its general content, format and style of presentation.

Structure the content in a logical order, introducing the purpose of the report, followed by the main substance, and then some concluding remarks.

Keep it brief. A brief, concise and well-structured report is far more useful and effective than a lengthy, rambling one.

Check over the report, once written, and ensure that the final version is clear, neat and easy to read.

Every student should prepare a single report for every component of RAWE and AIA. The report should be prepared timely and submitted at the time of final evaluation of every component.

19. Evaluation of RAWE & AIA: (Annexure I to IV)

The evaluation of RAWE and AIA will be done as per detailed guideline prescribed below. The report of the evaluation for work experience shall be submitted in the prescribed forms. Students shall be evaluated component-wise under village attachment and agro-industrial attachment. The respective Centre In-Charge, Programme Officer, SMSs, agro-industrial official and Course Coordinator will evaluate the students as under:

ACTIVITY		Max. Marks
1	**Village attachment (Annexure-I)** **10 Weeks 10 Credits**	**500 marks**
A	Students Field Performance evaluated by Advisory committee	360
B	Report Evaluation (SMS)	
C	University Committee (Report preparation, presentation & Viva-voce)	140
2	**Plant Clinic attachment (Annexure-II)** **2 Weeks 2 Credits**	**100 marks**
a.	Plant Clinic In-charge (6 marks for each activity)	30
b.	Report Preparation and evaluation (To be evaluated by SMS)	20
c.	Album for Diseases, Weed, Deficiency & Insect Pest collection (Minimum 10 each)	20
d.	University Committee (Presentation & Viva-voce)	30

3	**Unit attachment (Annexure-III)** **4 Weeks 4 Credits**	**200**
a.	Students Initiative and compliance evaluated by Unit advisory committee	50
b.	Report preparation and evaluation by concern unit	100
c.	University Committee (Presentation & Viva-voce)	50
4	**Agro Industrial attachment (Annexure-IV)** **4 Weeks 4 Credits**	**200**
a.	Initiative and compliance (AIAPO)	10
b.	General conduct and discipline (AIAPO)	10
c.	Project planning and implementation (AIAPO)	30
d.	Work performance (AIAPO)	30
e.	Report preparation (AIAPO)	40
f.	Presentation & Viva-voce (University Committee)	40
g.	Innovative ideas/project in respect of entrepreneurship development (University Committee)	40

Assessment Parameters (RAWE & AIA)

1	**RAWE-Village attachment (Annexure-I)**	**500 Marks**
a	Student Field performance and report Evaluation (SMS and PO) (40 marks for each intervention i.e. for 9 interventions 360 marks)	360
	i. Regularity & Punctuality ii. Initiative & Creativity iii. General conduct & discipline iv. Work performance v. Diary vi. Report writing	
b	Report preparation and presentation	70 marks
c	Viva-voce	70 marks
2	**Plant Clinic Attachment (Annexure-II)**	**100 marks**
a	Plant clinic In-charge-(6 marks for each activity) i. Survey and surveillance ii. Crop loss assessment	30 marks

	iii. Diagnosis of Diseases, pests, weeds and deficiency/toxicity symptoms iv. Knowledge centre v. Spot Recommendation	
b	Report preparation and evaluation	20 marks
c	Album for Diseases, Weed and Deficiency. Insect Pest collection (Minimum 10 each)	20 marks
c	Presentation and *Viva-voce*	30 marks
3	**RAWE- Unit attachment (Annexure-III)**	**200 Marks**
a	Student Initiative and Compliance i. Attendance and Regularity - 10 marks ii. Initiative & Creativity- 10 marks iii. Work performance, General conduct & discipline -30 marks	50 marks
b	Report (25 marks each for KVK, RARS, NGO/ Cooperative Society / Bank & State Agri. Dept./ ZP)	100 marks
c	Presentation and Viva voce	50 marks
4	**Agro Industrial Attachment (Annexure-IV)**	**80 marks**
a	Advisory for AIA- i. Initiative & compliance- 5 marks ii. General conduct and discipline-5 marks iii. Project planning & implementation-15 marks iv. Work performance-15 marks	40 marks
b	Report preparation	20 marks
c	University Committee i. Presentation and *Viva-voce*-10 marks ii. Innovative ideas/project in respect of entrepreneurship development--10 marks	20 marks

Evaluation Committee:

The evaluation for the various components under RAWE and AIA program will be done by the advisory committee as prescribed above. The respective Associate Dean/Principal will appoint the Dean's Representative for conduct of evaluation of constituent and affiliated colleges.

The RAWE & AIA report should be in the form of component wise project report and it should be present in the digitized form and submitted to the college by each student from for each village. The examination should be taken in the form of presentation by student and *viva-voce* for each village by the committee.

20. Procedure for compilation of marks obtained by the students:

The marks obtained by the students in the aforesaid components of evaluation shall be submitted by Programme Officer in consultation with the Chairman of Advisory/Evaluation Committee separately in the prescribed proforma and forward two copies to the Deputy Registrar (Acad.) of the respective university and submit one copy to the Associate Dean of the Constituents College. (See Annexure I-V)

21. Grading and repeat RAWE:

The gradation would be in 1-10 point scale. The grade point shall be on the basis of **grades obtained in 10 point scale and multiplied by credits. The result to be expressed to one decimal point in 10 point scale.**

A student seeking less than 50 per cent of marks in the entire RAWE programme would be declared as failed and he/she shall admit the RAWE programme as and when offered next.

Proforma for RAWE & AIA

WEEKLY DIARY OF THE STUDENT

Diary No.:

From: to

1. Name of the Student : Reg. No.:
2. Name of the Village:
3. Name of the College:
4. Name and address of Host Farmer:
5. Name of the RAWE & AIA Centre:
6. Name of Discipline:
7. Course No. SRP- 401 /SRP- 402 / SRP- 403 / SRP- 404
8. Name of Component : Village Attachment/Unit Attachment/ Plant Clinic Attachment / Agro Industrial Attachment

ABSTRACT OF WORK

Sr. No.	Week Days	Date	Abstract of Work Done
1	**Monday**		
2	**Tuesday**		
3	**Wednesday**		
4	**Thursday**		
5	**Friday**		
6	**Saturday**		
7	**Sunday**		

9. New experience gained during this week : Experience and skills I would like to gain
10. Time absent during the week and reason for absence Day _____ Hours_____

Sign. of Student **Sign. of the P.O.**

11. Comments of the Advisory Committee
12. Date of receipt of the diary by the Chairman of the Advisory Committee
13. Date of communication of comments, if any to the students.

Sign. of the Chairman Advisory Committee

MONTHLY ABSTRACT OF WORK DONE

From: to

1. Name of the Student : Reg. No.:
2. Name of the Village:
3. Name of the College:
4. Name of the RAWE & AIA Centre:
5. Name of Discipline:
6. Course No. SRP- 401 /SRP- 402 / SRP- 403 / SRP- 404
7. Name of Component : Village Attachment/Unit Attachment/ Plant Clinic Attachment / Agro Industrial Attachment

ABSTRACT OF MONTHLY WORK

Sr. No.	**Work assigned by the SMS /PO**	**Work Completed**
1		
2		
3		
4		

Signature of the Student

Remarks of the P.O. **Signature of the P.O.**

Remarks of the Chairman of the Advisory Committee / RAWE & AIA Centre

Signature of Chairman Advisory Committee / RAWE & AIA Centre

Sign. of the Chairman Advisory Committee

HOW TO ORGANIZE METHOD DEMONSTRATIONS

Following points to be consider while conducting method demonstrations

A) Planning and Preparation:

- Decide the topic, target audience and venue of demonstration
- Topic should be important and having immediate concern of the villagers (As per list and location specific topic)
- Gather all the relevant information and important information's materials &equipments
- Identify the steps in conducting the demonstrations. Practice in advance to be sure about its perfect presentation.
- Make regular contact with the local leaders & give timely information to all concerned.
- Complete all arrangements for demonstration.
- Display Diagrams, Charts, Graphs etc. at the demonstration site.
- Have some relevant literature to distribute among the villagers.

B) Implementation:

- Start the demonstration on the schedule date and time.
- Be sure about physical arrangement so that all the participants can see and take part in decision.
- Show each operation step by step, explaining clearly why and how it is being done.
- Encourage questions at each stage.
- Tell key points again.
- Distribute literature related to demonstration.
- Identify those farmers who express their views to adopt the practices. It helps in the follow-up-process

C) Follow-up

- Maintain a record of demonstration and participants
- Maintain contact with villagers.
- Help the villagers in getting the required material and equipment.

Organization & Conduct of Group Discussion with Village leaders

Students should collect following information from group discussion with Village leaders before PRA

1. Date of Group Discussion:
2. Time :
3. Place :
4. Topic :
5. Village :
6. Names & No. of students with Reg. No.:
7. Name of RAWE & AIA centre:
8. Number of participant (Village leaders) :
9. Details of Participants (Village leaders)

Sr. No.	Name of leader	Education	Designation/ Member of	Experience as a leader
1				
2				
3				
4				
5				
6				
7				

10. Points to be discussed with Village leaders :
    - Rural Development activities under taken by Gram Panchyat:
    - Transportation facilities available in the village:
    - Educational Institute available in the village:
    - Village Cottage industries available in the village:
    - Major Social Institution /Organization / NGO available in the village:
    - Farmers Club / Farmers Producing Organization available in the village:
    - Main Crops taken in village a) Kharif----------b)Rabbi----------
      c) Summer----------
    - Subsidiary enterprises available in the village:
    - Last natural calamities:
    - Village conflicts:
    - Village major problems:

      General ----------Social----------Economic----------

      Agricultural----------Marketing----------Health & sanitation---------

      Any other (Please specify) :

      Solution to overcome the problems:

Name & Sign. of village leaders

Subject wise Schedule

Extension Education

RAWE AND AIA SCHEDULE: EXTN-I

Conducting Participatory Rural Appraisal (PRA) and Techno Socio-Economic Survey of Village

Schedule EXTN 1A: Participatory Rural Appraisal (PRA)

Conducting PRA (Participatory Rural Appraisal) of the Village:

To understand overall condition of village, resource endowment and its utilization, problems of labour and employment and other important economic aspects, location of host farmer house and survey numbers.

What is it? -Participatory Rural Appraisal(PRA) defined as methodology for interaction with villagers understanding them and learning from them.

It involves a set of principles, a process of communication & menu of methods for seeking villagers participation in putting forward their point of view about any issue and enabling them to do their own analysis.

PRA constitutes a process of involvement with rural people for indigenous knowledge building exercise, it is a way of learning from and with villagers to investigate, analyse and evaluate constraints and opportunities to focus attention on people, their livelihoods and their relationship with socio- economic and ecological factors

Why PRA –It is useful to students of RAWE for collecting the information of village, to know the condition of village & as per the needs of villagers students has to undertake different activities and demonstrations which may helpful to them to improve their socio-economic condition.

Menu of the PRA methods - Students may use following methods to collect the information of village.

1) Transect walk
2) Resource persons
3) Secondary data review
4) Direct observations
5) Key informants
6) Semi structured interviews
7) Group interviews
8) Key indicators
9) Workshops & brain storming

10) Maps & photographs
11) Stories, portraits & case studies.
12) Interaction
13) Key probes
14) Short simple questionnaires

(**Note:-** Students should write/ draw diagrams & maps as following)

a. Name of village -
b. Purpose of PRA -
c. Resource person contacted Prior to conducting PRA -
d. Activities exercised in PRA - (Same sequence should be used)

1) **Collection of basic information of village** -Demographic, socio economic, agriculture, animal husbandry, pollution & problems.
2) **Transects walk** – Making the long walk inside the village & locating various items like soil, crops, water resources, trees etc.
3) **Drawing sketch map of village –** Showing important locations **of** village.
4) **Agro ecology map** – Average temperature, rainfall, land holding, weeds etc.
5) **Resource map** – Natural & man made resources available in village.
6) **Social map –** Drawing of village map without scale & locating the social facilities like social structure, education, stratification, leadership pattern, value systems, social evils etc.
7) **Mobility map** -Mobility of villagers in terms of places visited, purposes, mode of transport, cost & time.
8) **Timeline & time trends** – indicates the major remembered chronological events in the history of village.
9) **Seasonal calendars** – Month wise abnormalities regarding the agriculture and animal husbandry.
10) **Impact/consequence diagram –** Indicates the changes occurred in individual or society due to adoption of technology.
11) **Farm household map –** Indicates the way in which the surroundings of a typical house hold appears.
12) **Bio resources flow diagram –** degree of utilization & recyclingof biological resources around them.
13) **Venn diagram** – To study institutional relationships popularlyknown as chapatti diagram.

14) **Daily routine diagram –** Depicts the way in which the ruralpeople manage their daily time.
15) **Indigenous technique know how map –** Depicts the pictorial instructions on the indigenous agril. technology found in village with reference to agriculture.
16) **Technology map –**Indicates the decision behavior of the farmers to adopt or reject& discontinuance the technology.
17) **Problem tree –** Indicates various causes responsible for the specific problems.
18) **Solution tree –** Indicating solutions to solve that particular problem.

(Note : Students will identify the social, economic & agriculture problems and solution accordingly)

Identify problems like

A) Crop production: 1.---------- 2.---------- 3.----------

4.---------- 5.---------- 6.----------

B) Horticultural Crop : 1.---------- 2.---------- 3.----------

4.---------- 5.----------

C) Adoption of Modern Technology:1.---------- 2.----------

3.---------- 4.---------- 5.----------

D) Animal Husbandry & Livestock Mangt.:1.---------- 2.----------

3.---------- 4.---------- 5.----------

E) Credits: : 1.---------- 2.---------- 3.----------

4.---------- 5.----------

Schedule EXTN 1B

TECHNO SOCIO- ECONOMIC SURVEY OF VILLAGE

Name of Student : Registration No. :

College :

1. Name of the village:

Taluka : Distance from village (km):

District : Distance from village (km):

2. Transport and communication

i) Bus stand : Distance from village (km):

ii) Railway station : Distance from village (km):

iii) Post office : Distance from village (km):

iv) Telephone office : Distance from village (km):

v) Bank : Distance from village (km):

3. Population of the village

A) Category

Sr. No.	Category	No. of families	Percentage (%)
i)	Agriculturist.		
ii)	Landless Agril. Labourers		
iii)	Village Artisans		
iv)	Others		
	Total No .of families		

B) Population

Gender	Category	Number			Percentage to total population
		Literate	Illiterate	Total	
1.Male	a) Adults (above 35 yrs.)				
	b) Youth (18 to 34 yrs.)				
	c) Children				
	Sub Total				
2.Female	a) Adults (above 35 yrs.)				
	b) Youth (18 to 34 yrs.)				
	c) Children				
	Sub total				
	Grand Total				

C. Sex ratio : Male : Females
D. Literacy percentage : %
Male : Female :

E. Level of literacy in village :

Sr. No.	Level of Literacy	Number		Total Percentage
		Males	Females	
1	Illiterate			
2	Studied up to IV std.			
3	Studied up to VII std.			
4	Studied up to X std.			
5	Studied up to XII std.			
6	Studied up to degree programme and above			
	Total			

F. Classification of families (Households) according to occupation

Sr. No.	Occupation	No. of households
1	Agriculturists	
2	Village artisans	
3	Landless Agril. Labourers	
4	Factory workers	
5	Lawyers	
6	Doctors	
7	Others	
	Total	

4. Educational facilities:

Sr. No.	Type of Institute	No.	Distance from Village (km.)
a)	Primary School		
b)	High School		
c)	Jr. College		
d)	College (Arts, Science, Commerce)		
e)	others		
	i)		
	ii)		

5. Medical facilities:

Sr. No.	Type	Available in village / Distance from Village (km.)
1	Primary Health Centre	
2	Government Hospital	
3	Private Dispensary	
4	Private Hospital	

6. Drinking water facilities:

Sr. No.	Source	
1	Well	
2	Tanks	
3	River	
4	Tap water (other)	
5	Filtered / Non-filtered	

7. Marketing Facilities:

Sr. No.	Type	Available within the village	Nearest place to the village	Distance in (km.)
1	Weekly bazaar			
2	Regulated market			
3	Grocery shop			
4	Vegetable and Fruits stall			
5	Private/co-operative			
6	Fair price shop			

8. **Credit Institutions** (Source : Group secretary of society)

i) Primary Credit Co-operative society: _____

Total number of members : _____

Share Capital (Rs.) : _____

Total loan supplied during last year:

Types of Loan	Purpose of Loan (Crop Loan or others)	Name of Finance Institutions	Duration of Loan	Total Loan Amount	Rate of Interest	No. of Farmers Borrowed
Short Term						
Medium Term						
Long Term						

9. Livestock Population (Recent Census)

Class of Livestock		**Numbers**
a)	Draft Animals	
	i) Bullocks	
	ii) He buffaloes	
	Total	
b)	Milch animals	
	i) Local breed cows	
	ii) Crossbred cows	
	iii) Buffaloes	
	Total	
c)	Calves (below three years)	
	i) Local breed cows	
	ii) Crossbred cows	
	iii) Buffaloes	
	Total	
d)	Goats	
e)	Sheep	
f)	Poultry	
i)	Others	

10. Total number of houses

1. Pucca Houses
2. Kachcha Houses

11. Modes of lifting water (Numbers):

i) Electric Motors :
ii) Drip units :
iii) Solar pumps :
iv) Other (specify) :

12. Facilities for repairs of machinery like tractors, oil engines, electric motors, implements, etc.:

Sr.No.	Type of machinery	Repairs in the village	Facilities available at nearby village	Distance from the Village (km.)
1	Tractor			
2	Electrical Motors			
3	Drip units			
4	Implements			

13. Veterinary aid available for livestock

Sr. No.	Particulars	Available in		
		Village	At nearby Village / Town	Distance from Village (km.)
1	Veterinary Dispensary			
2	Artificial Insemination Centre			
3	Dairy Society			
4	Veterinary Polyclinic			

14. Land Utilization Pattern

Sr. No.	Particulars	Area in ha.
1	Total Geographical Area	
2	Forest Area	
3	Grazing and pasture land	
4	Land put to non-agricultural use	
5	Total cultivable area	
6	Area under rainfed agriculture	
7	Area under irrigation	
8	Net sown area	
9	Area sown more than once	
10	Any other (specify)	

15. Structural distribution of land holdings

Sr. No.	Farm Size (ha)	No. of Holdings	Percentage to Total	Area (ha.)	Percentage to Total
1	Up to 1.00				
2	1.01 to 2.00				
3	2.01 to 4.00				
4	4.01 to 6.00				
5	6.01 and above				

16. Source of irrigation

Sr. No.	Source	No.	Area Covered (ha.)		
			4 monthly	8 monthly	Perennial
1	Canal				
2	Wells				
3	Government lifts				
4	Private lifts				
5	Co-operative lifts				
6	Tanks/ Water ponds				
7	Other (specify)				
	Total				

17. Cropping Pattern (Previous year)

Season	Crop	Dry area (ha)	Irrigated area (ha)	Average yield (Q/ha)	
				Rainfed	Irrigated
A) Kharif	i)				
	ii)				
	iii)				
	iv)				
	v)				
	vi)				
	vii)				
	viii)				
	ix)				
	x)				
B) Rabi	i)				
	ii)				
	iii)				
	iv)				
	v)				
	vi)				
	vii)				
	viii)				
C)Summer/ Perennial	i)				
	ii)				
	iii)				
	iv)				
	v)				
	vi)				

18. **Adoption of recommended Agril. Technology (for important crops)**

Input	Crop & Variety	Total Area (ha)	Area Covered (ha)			
			Local		Improved	
			Area	Per cent	Area	Per cent
a) Seed	i)					
	ii)					
	iii)					
	iv)					
b)Fertilizers	i)					
	ii)					
	iii)					
	iv)					
c) Plant Protection	i)					
	ii)					
	iii)					
	iv)					

19. **Availability of Agricultural Labours**

Sr. No.	Type of Labour	Inadequate / Adequate	Wages paid (Rs.) Daily
1	Male		
2	Female		
3	Bullock pairs		

20. Subsidiary Enterprises

Sr.No.	Enterprise	No. of families engaged in village
1	Dairy	
2	Poultry	
3	Sheep /goat rearing	
4	Agro tourism	
5	Sericulture	
6	Apiculture	
7	Other (specify)	

21. Other Institutions in the village

Sr. No.	Institute	Yes / No
1	Gram panchayat	
2	Service Co-op. Society	
3	Dairy Co-op. Society	
4	Post Office	
5	Bank	
6	Farm Forum	
7	Radio Farm Forum	
8	Youth Club	
9	Sports Club	
10	Mahila Mandal	
11	Bhajani Mandal	
12	Library	
13	Hospital / Primary Health Centre	
14	Self Help Group (SHG)	
15	Others (specify)	

22. Transportation means available in the village:

Sr.No.	Type	Number
1	Cycles	
2	Motor Cycles	
4	Cars / Jeeps	
5	Lorries	
6	Buses	
7	Others (specify)	

23. Recreational facilities in the village

Sr. No.	Item	Number
1	Television	
2	Radio Farm Forum	
3	Cinema	
4	Bhajan	
5	Fair	
6	Kirtan	
7	Newspapers	
8	Magazines	
9	Library	
10	Any other (specify)	

24. Farm machinery and equipment

Sr. No.	Machinery / Equipment	Number
1	Tractor	
2	Power Tillers	
3	Power Sprayer / Duster	
4	Sprayers	
5	Dusters	
6	Threshers	
7	Drip Irrigation Sets	
8	Sprinkler Irrigation Sets	
9	Others (specify)	

25. Aavailability of inputs

Sr. No.	Input	Available		Distance (km.)	Availability	
		in Village	at the nearest Village		Adequate	Inadequate
1	Implements					
2	Seed					
3	Fertilizers					
4	Pesticides					
5	Fungicides					

26. Nearest Headquarter of the Gramsevak / VDO:

27. Extension programmes organized in the village including Development programmes:

Sr. No.	Programme	Implementing Agency
1		
2		
3		
4		
5		
6		
7		
8		

28. Self help Groups in village

1. Total self help groups in village
2. Name of S. H.G. you have studied
3. Year of establishment
4. Total number of members Male/Female
5. Name of the Bank affiliated
6. Total amount deposited per month of all members
7. Total amount of loan received
8. Total capital balance

9. Enterprises/activities carried out under S.H.G.

Sr. No.	Name	Number of beneficiaries
1.		
2.		
3.		
4.		

29. Problem faced by S.H.G.

30. Agro Industries in the village or nearby village

Sr. No.	Agro-Industry	No. of engaged families	Number	
			in the Village	in nearby Village
1	Flour Mills			
2	Rice Mills			
3	Dal Mills			
4	Oil Mills			
5	Jaggery Making units			
6	Fruit and Vegetable Canning			
7	Others (specify)			

31. Problems faced by villagers / Leaders

32. Comments / general observation of students

RAWE & AIA Extension Schedule- II

Schedule EXTN II: Survey on Utilization of Internet and Mobile Applications by the Farmers for Agriculture Purposes

With the advent of Internet and especially various applications for android mobiles and availability of android phones along with affordable data plans for ordinary person, the usage of internet as well as different social media and various agriculture related applications is increasing day by day by the farmers for obtaining required information such as production technologies, weather and climate, plant protection, post harvest management, marketing of agro produce etc.

The various apps are developed by government and other organizations such as Kisansuvidha, PusaKrishi, Soil health card, Crop insurance, Agri. market (Ministry of Agriculture, GOI), Krishi video advice (MANAGE, Hyderabad), IFFCO Kisan Agriculture (IFFCO), APEDA farmer connect, Havamana Krishi (UAS, Dharwad), SolapurAnar (NRC for Pomegranate, Solapur), Cane adviser (Sugarcane Breeding Ins. Coimbatur), eNAM (SFAC, Min. of Agri, GOI), AgroTech VNMKV and others (VNMKV, Parbhani) etc. the farmers are, now a days, using such apps for obtaining information and utilizing it at their level for satisfying needs.

Taking into account these facts, it is expected from the students of final year B.Sc. Hons. (Agri.) undergoing RAWE program to study the internet utilization behaviour of farmers and how it is influencing farm management practices of them. Each student shall contact at least 20 farmers from allotted village and obtain information on following points.

1. Name of the Farmer :
2. Address:
3. What's App No.:
4. E mail id.:
5. Educational qualification:
6. Land holding: Ha.
7. Crops grown:
8. Crop wise Experience in Farming: years

9. Frequency of using Internet/ Mobile apps
(Tick mark in relevant column)

Sr. No.	Particular	Daily	Weekly	Fortnightly	Monthly
1	e mail				
2	Social medial like FB/WA				
3	You tube videos				
4	Write name of the mobile apps related to agriculture				
5					
6					
7					
8					
9					
10					
11	Other online sources				

10. Are you member of What's app group related to agriculture? Yes/ No (If yes, give details)

11. Date & year of What's app group created:

Sr. No.	Name of What'sapp group	Name of Admin	No. of participants	Nature/ Purpose of information received
1				
2				
3				

12. Are you member of face book group related to agriculture?
Yes/ No (If yes, give details)

Date & year of Face book group created:

Sr. No.	Name of FB group	Name of Admin	No. of participants	Nature/ Purpose of information received
1				
2				

13. Give details about use of agriculture related apps used by you.

Sr. No.	Name of App	Name of Organization	Purpose of App	Nature/ Purpose of information received
1				
2				
3				
4				

14. Do you visit websites of different agricultural institutes? Yes/ No (If yes, give details)

Sr. No.	Web address	Name of Organization	Purpose of visiting website	Nature/ Purpose of information received
1	www.mpkv.ac.in	MPKV, Rahuri		
2				
3				
4				

15. Do you watch different videos (Agricultural related) on you tube channel? Yes/ No (If yes, give details)
Date of upload of videos :

Sr. No.	**Name of you tube channel subscribed**	**Name of host/ owner**	**Number of subscribers**	**Nature/ Purpose of information received**
1				
2				
3				
4				

16. Do you read e Papers / e Magazines / eBooks/Internet blogs? Yes/ No (If yes, give details)
Name of e Papers /e Magazines/ eBooks/ Internet blogs

17. Have you participated in online training/ webinar organized by SAUs/ KVKs or any other agriculture related organizations?

Sr. No.	Name of organization	Topic of the programme	Name of expert/s involved	Nature / Purpose of information received	Duration of Programme
1					
2					
3					
4					

18. Do you face any problem during use of Internet or Apps?

19. Is there any suggestion for overcoming problems or improvement in information provided?

Signature of Farmer

Abstract (based on data of selected farmers)

Sr. No.	Particulars	No. of farmers	Sr. No	Particulars	No. of farmers
1.	Average no. of farmers using Internet/Apps for getting information about agronomical crop management		4.	Average no. of farmers using Internet/ Apps for getting information about weather	
2.	Average no. of farmers using Internet/ Apps for getting information about Horticultural crops management		5.	Average no. of farmers using Internet/ Apps for getting information about market related aspects	
3.	Average no. of farmers using Internet/ Apps for getting information about plant protection		6.	Average no. of farmers using Internet/ Apps for getting information about livestock management	
7.	Majority Apps used by farmers for getting required information:----------				
8.	Majority of websites visited by farmers:----------				
9.	Average no. of participants in Whats App groups related to agriculture:----------				
10.	Average frequency of using Internet or Apps by the farmers:----------				
11.	Important problems faced by farmers in using Internet/ Apps:----------				
12.	Important suggestions given by farmers:----------				
13	Any other aspect pointed out by student:----------				

Students Comments : ----------

Soil Science & Agril. Chemistry

RAWE- SOIL SCIENCE AND AGRIL. CHEMISTRY

RAWE SCHEDULE-SSAC- I (A)

PLOT-WISE SOIL STUDY, CROP YIELD, MANURE AND FERTILISERS USED AND SOIL TESTING REPORT

Name of the Student **Reg.No.**

Name of College **Name of the Centre**

Name of the Farmer **Village**

Sr. No	Gat No. Plot No.	Soil Type	Depth	Drainage	Irrigated or rainfed	Source of irrigation	Previous crop	Fertilizer Applied to previous crops	Yield obtained from previous crops	Proposed Crop	Area (ha)	Remarks
1	2	3	4	5	6	7	8	9	10	11	12	13

Date:

Place:

Sign. of Student **Sign. of Programme Officer**

Interpretation of analytical results:

RAWE SCHEDULE-SSAC –I(B)
RECOMMENDATIONS BASED ON SOIL REPORT

1. Name of the Student : _____
2. Reg. No. : _____
3. Centre : _____
4. Village : _____
5. Name of the host farmer : _____

Table: Soil Test report for fruit crops

Soil sample & Sur. NO.	pH	EC	O.C. (%)	Available nutrients kg/ha			CaCO3 (%)
				N	P_2O_5	K_2O	
Layer-I							
Layer-II							
Layer-III							

Suitability to fruit/vegetable crops: Yes/No

Signature

(Student)

Signature

(Inspection Officer Incharge)

Animal Husbandry & Dairy Science

ANIMAL HUSBANDRY AND DAIRY SCIENCE **RAWE SCHEDULE AHDS I (A)**

Documentation of Daily, Monthly Maintenance and Management of animals (10 weeks)

Name of the Student: Regd. No: College:
Name of village and Centre ……

Name of the Host Farmer: Species of the animal: Cow/ Buffalo Date of birth animal:
Date of Calving:

Sr. No	Date	Labour (No)	Concentrates			Roughages						Cost (Rs)					Total Cost (Rs)
						Green			Dry								
			Name	Qty (Kg)	Value (Rs)	Name	Qty (Kg)	Value (Rs)	Name	Qty (Kg)	Value (Rs)	Labour	Feeding	Elec.	Vet. Aids	Misc.	
1																	
2																	
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	
25																	
26																	
27																	
28																	
29																	
30																	
31																	
Total Month																	
Survey method record for Remaining period																	
Annual `expenses																	

ANIMAL HUSBANDRY AND DAIRY SCIENCE **RAWE SCHEDULE AHDS I (B)**

Production, Utilization and Marketing of animal products and by products(10 weeks)

Name of the Student: Regd. No: College:

Name of village and Centre ……

Name of the Host Farmer: Species of the animal: Cow/ Buffalo Date of birth animal:

Date of Calving:

Date	Type of Product	Total Production		Total Disposal						Losses		Other		Disposal Total		Total Income (Rs)
				Home Consumption		Sold		Used for Products								
		Qty (Kg)	Value (Rs)	Qty (Kg)	Value (Rs)	Qty (Kg)	Value (Rs)	Qty (Kg)	Value (Rs)	Qty (Kg)	Value (Rs)	Qty (Kg)	Value (Rs)	Qty (Kg)	Value (Rs)	
	Milk															
	Manure															
1	Sale/Hide															
	Milk															
	Manure															
2	Sale/Hide															
	Milk															
3	Manure															
	Sale/Hide															
	Milk															
.	Manure															
	Sale/Hide															
	Milk															
.	Manure															
	Sale/Hide															
	Milk															
.	Manure															
	Sale/Hide															
	Milk															
.	Manure															
	Sale/Hide															
	Milk															
30	Manure															
	Sale/Hide															
	Milk															
31	Manure															
	Sale/Hide															
	Total Month															
	Survey method record for Remaining period															
	Annual Production															

ANIMAL HUSBANDRY AND DAIRY SCIENCE RAWE SCHEDULE AHDS II: ITK (Indigenous Technical Knowledge) Practices	
Name of the Student:	Reg. No:
College:	
Name of village and Centre:	
Name of the Host Farmer:	

Sr.No.	**ITK Practices**	Yes	No
1	Use paste of *bael*leaves up to 4 to 5 days, in order to reduce shoulder pain of working ox		
2	A healthy cow was unable to conceive even after giving all kinds of treatments. Finally it was used for ploughing up to 3 months and then it became thin and came into heat and got conceived too. Now it is giving milk as cow and also used for ploughing as an ox		
3	For curing Foot and Mouth disease they use paste of custard apple and alum mixed water. They apply paste on the wounded hooves and bandage with clean cloth. Simultaneously they used alum mixed water to wash mouth of animal		
4	Use of two sponge guard per day to get cow in heat		
5	A mixed dose of 200 grams of ginger, turmeric and garlic each in month of May keeps FMD away		
6	2% CaCo3 solution 100-150 ml is given for 3 months after parturition to avoid milk fever		
7	Bottle guard with fenugreek, coconut and black gram mixed with water is given to animals for 3 days to improve milk yield immediately after parturition		
8	.Gur + *Glyricidia* is given to animals to increase milk yield		
9	Extracts of omum, black cumin, pepper, gingelly and cardamom are given to cure digestibility problems		
10	To improve digestibility pepper, *gur* and betel leaf powder is given to animals		
Note: If farmer did any other ITK student can add in the schedule			

Agronomy & Agril. Botany

RECORDING THE ANNUAL WEATHER DATA

1. Name of the Student :
2. Reg. No. :
3. RAWE Center :
4. Name of the Village :
5. Taluka Place of Village :
6. District Place of Village :
7. Location / Station of the Agro-met. observatory :

Year Month& Date	Met. Week No.	Temperature (^{o}C)		Rainfall (mm)	No. of Rainy days	Humidity %	
		Maxi.	Mini.			Morning 7.30 hrs.	Evening 14.30 hrs.
January 202							
1	1						
2							
3							
4							
5							
6							
7							
8	2						
9							
10							
11							
12							
13							
14							
15	3						
16							
17							
18							
19							
20							
21							
22	4						
23							
24							
25							
26							
27							
28							
29	5						
30							
31							

Student should be record the annul weather data daily, weekly, monthly, yearly (as per standard met. weeks) for last year and existing year and correlate with crop performance, infection of dieses and pest.

Student should be also present the weather data in graphical form.

AGRONOMY SCHEDULE I

Schedule: AGRO-IA Maintenance of daily operations (any one major crop)

Name of the student: Reg. No. :

Name of Center : Village :

Name of Host farmer : Crop : Variety :

Plot / Survey No. : Area :

Previous Crop : Irrigated / unirrigated

Date	Nam of operation carried	Input used			Family Labours (Days)				Hired Labour (Days)				Total Labour (Days)				Labour Cost				Grand total (Col. 5 + 18 + 19+ 20 + 21)
		Name	Qty	Value	M	F	B	Machine	M	F	B	Machine	M	F	B	Machine	M	F	B	Machine	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22

AGRONOMY SCHEDULE

Schedule AGRO IB: Documentation of ITK – Indigenous Technology Knowledge practices followed in cultivation of agronomical crops in the village

1. Name of the Student :
2. Reg. No. :
3. Name of Host farmer :
4. RAWE Center :
5. Name of the Village :
6. Taluka Place of Village :
7. District Place of Village :

Sr. No.	Name of ITK Particular		ITK – Indigenous Technology Knowledge
1.	Rainfall Prediction	:	
2.	Tillage 1. Primary	:	
	2. Secondary	:	
	3.Indigenous Implements used	:	
3.	Seed &Sowing 1. Seed treatment	:	
	2. Variety	:	
	3. Sowing	:	
4.	Weed Management	:	
5.	Insect Control	:	
6.	Disease Control	:	
7.	Soil and Water Conservation	:	
8.	Irrigation	:	
9.	Harvesting and Threshing	:	
10.	Produce Storage	:	
11.	Marketing	:	
12.	Any other special operation / practice / utilization of produce	:	
13.	Any Disaster Management (Drought, Flood, Dry Spell, Wet. Spell, Cyclone , any infection)	:	

RAWE – AGRICULTURAL BOTANY

RAWE SCHEDULE BOT-1A: SEED PRODUCTION OF FIELD / HORTICULTURE CROPS

Name of Student: Reg. No.:

Semester:

Name of Farmer:

Gross land holding: Land under seed:

Sr. No.	Particulars	Remark
1	Name of crop	
2	Location of farm/ field No.	
3	Area (ha)	
4	Name of variety	
5	Type of variety Hybrid / Composite / Local / Selection Parent (s)	
6	Previous crop	
7	Source of seed	
8	Class of seed	
9	Date of registration	
10	Isolation Distance	
11	Land preparation : Ploughing, Harrowing, Leveling etc.	
12	Date of sowing	
13	Seed rate kg/ha	
14	Spacing	
15	Fertilizer NPK, any others	
16	Intercultural practices -Hoeing, Weeding etc.	
17	Irrigation	
18	Plant protection, weed control, disease control, insect control	
19	Rouging	
20	Field inspection	
21	Harvesting, Threshing, Processing, Seed testing etc.	
22	Estimated seed yield (qtl / ha)	

COST OF SEED PRODUCTION

Crop: **Season:**

Variety: **Year:**

Sr. No.	Cost Items		Unit	Input /Ha	Cost /unit Of Input (Rs.)	Total Cost /Ha(Rs.)
1.	Hired human Labour	Male	Days			
		Female	Days			
2.	Bullock power		Pair days			
3.	Machine charges		Hrs.			
4	Registration charges		Rs.			
5	Seed		kg			
6	Manure		Qtls.			
7	Fertilizers	N	Kg.			
		P	Kg.			
		K	Kg.			
8	Irrigation charges		Rs.			
9	Rouging charges		Rs.			
10	Insecticides		Rs.			
11	Incidental charges		Rs.			
	Working capital		Rs.			
12	Land revenue & other taxes		Rs.			
13	Depreciation on farm implements & farm building		Rs.			
14	Interest on working capital		Rs.			
15	Repairing charges		Rs.			
	Cost- A		Rs.			
16	Rental value of land		Rs.			
17	Interest on Fixed capital		Rs.			
	Cost- B		Rs.			
18	Family human labour	Male	Days			
		Female	Days			
	Cost- C		Rs.			
19	Yield per hectare		Rs.			
20	Value of by produce / Ha		Rs.			
21	Net cost 'C' of the by produce /Ha		Rs.			
22	Per quintal cost of cultivation of the main produce		Rs.			
23	B:C ratio					

Conclusion:

Students Comment:

Farmers Comment:

Students Sign. Contact farmers Sign. Examiners Signature

RAWE - AGRICULTURAL BOTANY

RAWE SCHEDULE BOT–1/B: Collection of Germplasm (Wild Species, Landraces, Local Varieties etc.)

Name of Student: Reg. No.:

Semester:

Sr. No.	Particulars	Remarks
1	Crop name	
2	Botanical name	
3	Local name	
4	Name of person from whom collected:	
5	Place of collection	
	Date of collection	
6	Nature of genetic material (Seed / Tubers/Roots / Bulbs / Vegetative cuttings / Whole plant / graft	
7	Unique feature(s) of collected germplasm	
8	Quantity deposited	

Conclusion:
Students Comment:
Farmers Comment:
Students Sign. Contact farmers Sign. Examiners Signature

Horticulture

HORTICULTURE SCHEDULE
Schedule: HORT 1
Maintenance of daily operations (any one major crop)

Name of the student: Reg. No. :

Name of Center: Village:

Name of Host farmer: Crop: Variety:

Plot / Survey No. : Area:

Previous Crop: Irrigated / unirrigated

Date	Nam of operation carried	Input used			Family Labours (Days)				Hired Labour (Days)				Total Labour (Days)				Labour Cost				Grand total (Col. 5 + 18 + 19+ 20 + 21)
		Name	Qty	Value	M	F	B	Machine	M	F	B	Machine	M	F	B	Machine	M	F	B	Machine	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22

Schedule HORT 2 Documentation of Indigenous Technical Knowledge (ITK) practices followed in cultivation of major horticultural crops in the village

Schedule – 2A (Collect following information of any **One Major** Horticulture crop)

1. A. Documentation of Daily operations of major Horticultural Crops:

Collect daily operations carried out by farmer in selected crop

Name of student Name College	: :	_____ _____
Regd. No.	:	_____
Name of centre	:	_____
Name of the host/Contact farmer	:	_____
Name of Village	:	_____
Name of the crop	:	_____
Variety grown by farmer	:	_____
Survey	:	_____
Area(ha)	:	_____
Previous crops	:	_____
Irrigated/Un-irrigated	:	_____

HORTICULTURE SCHEDULE

Schedule HORT 2B Documentation of Indigenous Technical Knowledge (ITK) practices followed in cultivation of major horticultural crops in the village

1. Name of the Student :
2. Reg. No. :
3. Name of Host farmer :
4. RAWE Center :
5. Name of the Village :
6. Taluka Place of Village :
7. District Place of Village :

Sr. No.	Name of ITK Particular		ITK – Indigenous Technology Knowledge
1.	Selection of site	:	
2.	Land preparation & Basal dose	:	
3.	Selection of variety	:	
4.	Planting time/spacing/Basal fertilizer dose with FYM /Vermicompost/Biofertilizers	:	
5.	Irrigation	:	
6.	Weeding	:	
7.	If any inter crop taken should be mentioned	:	
8.	Top dressing	:	
9.	General & special practices followed e.g (Gap filling/ thinning/Earthing /training/ pruning /pinching/disbudding/ bending etc.)	:	
10.	Plant protection(Use of Insecticide/ Pesticides/Fungicide/Biopesticides / Organic spray)	:	
11.	IPM/INM practices followed		
12.	Harvesting (Give maturity indices of selected crop/Harvesting time/method of harvesting (Manual/Machine)	:	
13.	Post Harvest Management	:	

	(Post Harvest chain should be provided) **Attach separate sheet if required**		
14.	Indigenous Technical Knowledge (ITK) followed by farmer in selected crop	:	
15.	**Yield** a. Main crop b. Inter crop	:	
16.	Any Disaster Management (Drought, Flood, Dry Spell, Wet. Spell, Cyclone , any infection)	:	

PART – 1C

HORTICULTURE DEMONSTRATIONS: (ANY TWO)

1. Demonstration on budding and grafting techniques in horticultural crops
2. Demonstration on layout of orchards of horticulture crops
3. Demonstration on digging and filling of pits for horticulture crops
4. Demonstration on scientific plantation of horticultural crops
5. Demonstration on rejuvenation of old orchards
6. Knowledge and utilization of apps in seeking information about production technology of horticultural crops
7. Demonstration on seed bed preparation
8. Group discussion on nursery management

Agril. Entomology

RAWE – AGRIL.ENTOMOLOGY

RAWE SCHEDULE : ENTO- I

1. Monitoring for incidence and determining extent of damage

Name of the student:

Name of the Farmer:

Name of the crop:

Variety:

Area:

Sowing/transplant date :

Table I: Monitoring for incidence and determining extent of damage in farmer's field.

A. Sucking Pests													
MW No.	**Block**	**Av. population of sucking pests**											
		Name of pest:						**Name of pest:**					
		Pl 1	**Pl 2**	**Pl 3**	**Pl 4**	**Pl 5**	**Average**	**Pl 1**	**Pl 2**	**Pl 3**	**Pl 4**	**Pl 5**	**Average**
	I												
	II												
	III												
	IV												
	V												
	Average												
Control measures													
B. Foliage feeders													
	Block	**Percent vigor damage due to infestation of**											
		Name of pest:						**Name of pest:**					
		Pl 1	**Pl 2**	**Pl 3**	**Pl 4**	**Pl 5**	**Average**	**Pl 1**	**Pl 2**	**Pl 3**	**Pl 4**	**Pl 5**	**Average**
	I												
	II												
	III												
	IV												
	V												
	Average												
Control measures													

C. Borer pests									
Block	Av. percent infestation in fruit or shoot or plant								
	Pest:			Pest:			Pest:		
	Damaged plant part:			Damaged plant part:			Damaged plant part:		
	Infested	Total	% Infestation	Infested	Total	% Infestation	Infested	Total	% Infestation
I									
II									
III									
IV									
V									
Average									
Control measures									

Schedule ENT II
Indigenous Technical Practices for pests

Table II: Indigenous Technical Practices followed by farmers to suppress pest and diseases.

Sr. No.	Crop	Indigenous Technical Practices adopted	Effect on crop and pests
1			
2			
3			
4			
5			
6			

Plant Pathology

RAWE - PLANT PATHOLOGY
RAWE SCHEDULE : PATH-I(A)

GENERAL POSITION OF PLANT DISEASES IN A VILLAGE AND DISEASE SITUATION IN A HOST FARMERS FIELD

I] GENERAL POSITION OF PLANT DISEASES IN A VILLAGE

1. Name of the Student :
2. Regd. No. :
3. Centre :
4. Village :
5. Major crops grown in the village :

Name of the Crops	**Name of the disease**	**Per cent Disease Intensity / Incidence**
a. Agronomical crops (Any Five) 1. 2. 3. 4. 5.		
b. Horticultural Crops (Any Five) 1. 2. 3. 4. 5.		

Documentation of Indigenous technical knowledge(ITK) practices followed for integrated disease
Management in the village

II] PLANT DISEASE SITUATION IN HOST FARMERS FIELD

1. Name of the Student : _____
2. Regd. No. : _____
3. Centre : _____
4. Village : _____
5. Name of the host farmer : _____
6. Date of observation: 30 DAS

Name of the Crops	Variety	Name of the disease	Intensity/Incidence of disease	Description of plant protection measures followed	Expected Losses	Actual Losses
a. Agronomical crops 1. 2. 3. 4. 5.						
b. Horticultural Crops 1. 2. 3. 4. 5.						

Summary / Conclusion:

RAWE SCHEDULE PATH- 1 (B)

PLANT DISEASE MANAGEMENT ON HOST FARMERS FIELD

(IDM of one major crop)

1. Name of the Student : _____
2. Regd. No. : _____
3. Centre : _____
4. Village : _____
5. Name of the host farmer : _____
6. Name of crop :
7. Name of the variety :
8. Seed treatment :
9. Selection of seed :
10. Collection and destruction of stubbles :
11. Soil and Water Management :
12. Rouging of diseased plants :
13. Spraying / dusting of any fungicide :
14. Use of bio-agents :
15. Use of resistant variety :
16. Use of combination of management practices :
17. Conclusion :

Agril. Engineering

RAWE SCHEDULE

Food processing and storage interventions

SCHEDULE ENGG-1

Study of Agro. Processing industry in the village & vicinities and Agro. Processing and preservation under taken by host farmer for domestic consumption

Name of the student :
Registration No. :
College :
Center which attached :

A) Study of Agro. Processing industry in the village & vicinities

i) Types of processing Machineries used for grain processing in the village & vicinities

Sr. No.	Name of the Crop	Name of the Machine	Unit Operation	Make	Capacity	Technical details	Cost of machine	Remark

ii) Types of processing Machineries used for Fruits and Vegetables processing in the village and vicinities

Sr. No.	Name of the Crop	Name of the Machine	Unit Operation	Make	Capacity	Technical details	Cost of machine	Remark

iii) Impact of Agro Industries on village before and after the industry

B) Study of Agro. Processing and preservation under taken by host farmer for domestic consumption

Sr. No.	Name of the Crop/ Vegetables / fruits/ flowers/ allied products	Methods of harvesting	Methods of threshing	Technique adopted for processing and preservation	Storage period	Remark

Total Production:
Method of drying (grain crops):
Quantity stored and marketed:
Structure used for storage:
Any treatment during storage:
Any Spoilage during storage:
Comments on cold chain including logistic chain:
New technique adopted for storage/ preservation if any:

RAWE SCHEDULE- Food processing and storage interventions

SCHEDULE ENGG-2

Documentation of Indigenous Technical Knowledge (ITK) practices followed in Food , Processing, Preservation and Storage in the village

Name of the student:
Registration No.:
College:
Center which attached:

1) **Title of ITK**
2) **Historical Background (Association with Culture/tradition, rural way of life, locality etc)**
3) **Source of ITK (Traditions, Family inheritance, literature)**
4) **Details of ITK**
   a) Raw Material
   b) Production process
   c) Available infrastructure
   d) Storage/Warehouse facilities
   e) Transport & Marketing
5) **Assessment of Geographical factors in development of ITK**
6) **Analysis of local factors in development of ITK**
7) **Scrutinize challenges faced by ITK**
8) **Assess reach of institutional support provided by government, NGOs & private sector**
9) **Investigate opportunities and threat for the ITK**

Assessment of necessary interventions for growth of ITK

a) Skill development & Capacity building
b) Technology up gradation / training
c) Raw Material availability
d) Up gradation of infrastructure
e) Design & Product development
f) Credit support
g) Demand driven approach (Demand based product development)
h) Marketing/Product promotion

Comment Emerging & non conventional technologies for growth of ITK

a) Leveraging e-commerce platform
b) Promotion of traditional arts/artifacts through social media
c) Eco friendly product positioning

RAWE-AGRICULTURAL ECONOMICS
RAWE SCHEDULE- ECON - I

TECHNO-SOCIO-ECONOMIC SURVEY OF HOST FARMERS

Name of Student :_____
Registration No. : _____
College : _____
Center to which attached : _____
1. Name of the head of the family
a) Sex – Male/Female : _____
b) Age(years) : _____
c) Education : _____
d) Address :Village Post Taluka District

2. Information of the family members including attached (Permanent) labours.

Sr. No.	Name	Sex	Relation	Age	Education	Occupation	Remark
1							
2							
3							
4							
5							
6							
7							

B Assets
I) Land

Sr. No.	Gat No./ Survey No.	Area (ha.)		Soil Type	Present Value (Rs.)	Land Revenue and other taxes (Rs.)
		Dry	Irrigated			
1						
2						
3						
4						
5						
6						
7						

II) Source of irrigation and area irrigated:

Sr. No.	Source	Number	Area Irrigated (ha.)		
			4 Months	8 Months	Perennial
1	Well				
2	Lift				
3	Tank				
4	Canal				
5	Other				

III) Buildings:

Sr. No.	Category	Type of construction	Size	Present value (Rs.)	Remarks
1	Residential House				
2	Farm House				
3	Cattle Byre				
4	Store				
5	Other				

IV) Livestock position of the farmer:

(Draught animal, cows, buffaloes, calves, sheep, goat, poultry etc.)

Sr. No.	Category	Breed	No. of animals	Present value (Rs)

V) Implements and Machinery

Sr. No.	Category	Number	Present value (Rs.)
A Implements	a) Wooden plough		
	b) Iron plough		
	c) Seed drill		
	i) Local		
	ii) Improved		
	d) Harrow		
	e) Hoes		

	f) Clod crusher		
	g) Others (specify)		
B Equipments	a) Bullock cart		
	b) Duster		
	c) Sprayer		
	d) Others		
C Machinery	a) Electric Motor		
	b) Oil Engine		
	c) Tractor		
	d) Power Tiller		
	e) Truck		
	f) Power Sprayer/Duster		
	g) Thresher		
	h) Others		

VI) Household Material

Sr. No.	Name of Material	Number	Value (Rs.)
1	Bicycle		
2	Scooter		
3	Motorcycle		
4	Moped		
5	Car		
6	Television		
7	Radio		
8	Tape recorder		
9	Refrigerator		
10	Mixer cum grinder		
11	Washing machine		
12	Steel cupboard		
13	Gobar Gas Plant		
14	Solar Energy		
15	Others		

VII) Cropping Pattern (Previous year)

Season	Plot No.	Crop	Variety	Rainfed				Irrigated			
				Area (ha)	Yield Kg / ha		Gross Value Rs.	Area (ha)	Yield Kg / ha		Gross Value Rs.
					Main	Bye			Main	Bye	
Kharif	i)										
	ii)										
	iii)										
	iv)										
	v)										
	vi)										
	vii)										
	viii)										
Rabi	i)										
	ii)										
	iii)										
	iv)										
	v)										
	vi)										
Summer/ Perennial	i)										
	ii)										
	iii)										
	vi)										

VIII) Cropping Pattern (Current year)

Season	Plot No.	Crop	Variety	Rainfed				Irrigated			
				Area (ha)	Yield Kg / ha		Gross Value Rs.	Area (ha)	Yield Kg / ha		Gross Value Rs.
					Main	Bye			Main	Bye	
Kharif	i)										
	ii)										
	iii)										
	iv)										
	v)										
	vi)										
	vii)										
	viii)										

Rabi	i)										
	ii)										
	iii)										
	iv)										
	v)										
Summer/ Perennial	i)										
	ii)										
	iii)										
	iv)										

XI) Annual gross income (previous year)

Sr. No.	Source	Amount (Rs.)/year
1	Crops	
2	Livestock	
3	Wages	
4	Others	
	i)	
	ii)	
	iii)	
	iv)	
	Total	

X) Annual family consumption expenditure (previous year)

Sr. No.	Head	Amount (Rs/year)
1	Food	
2	Housing	
3	Education	
4	Clothing	
5	Health	
6	Recreation	
7	Travel	
8	Gifts	
9	Lighting	
10	Foot wares	
11	Religious function	
12	Others (specify)	

XI) Information about borrowings including old loans (Previous year)

Sr. No.	Source	Kisan Credit Cards details	Amount borrowed	Purpose date	Rate of interest	Repayment during the year	Outstanding (Rs/year)
1	Co-operative Society						
	Types of credit						
2	Land development Bank						
3	Government						
4	Commercial Bank						
5	Money lenders						
6	Friends						
7	Relatives						

I .Problems in securing credit

1. Institutional
2.
3. Non institutional

II. Suggestions to overcome the problems in credit availing from farmers:

XIII. General Problems faced by the family regarding:

A. Crop Production

B. Livestock

C. Credit

D. Marketing

E. Adoption of modem technology

F. Others

XIV) Inference:

I) Suggestions by the family to overcome the problem

II) Opinion of investigator about general conditions of the family (Financial, Educational, Social, Health, etc.)

Financial

Educational

Social

Health

Signature of Farmer **Signature of Student**

Signature of In-charge

RAWE-AGRICULTURAL ECONOMICS

RAWE SCHEDULE- ECON –II (A)

RECORD OF DAILY OPERATIONS (PLOTWISE) CARRIED (INCLUDING LAND DEVELOPMENT) AND CALCULATING COST OF CULTIVATION/PRODUCTION
Only for the host farmers

Name of the student : _____	Name of Center: _____	Current Crop: _____ Variety :
Name of College :	Name of Host farmer :	Plot / Survey No. : _____ Area :
Registration No. :	Village :	Previous Crop : _____ Irrigated / unirrigated

10

Date	Name of operation carried (Land preparation to harvesting of crop)	Input used			Family Labours (Days)				Hired Labour (Days)				Total Labour (Days)				Labour Cost				Grand total (Col. 5+ 18 + 19+ 20 + 21)
		Name	Qty	Value	M	F	B	Machine	M	F	B	Machine	M	F	B	Machine	M	F	B	Machine	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22

Agricultural production plan of host farmers

Sr. No	Name of the crops									Remarks Increase/ Decrease in Area/ Production / Productivity
	Previous Year			Present Year			Future Year			
	Area	Production	Productivity	Area	Production	Productivity	Area	Production	Productivity	

RAWE AGRICULTURAL ECONOMICS
RAWE SCHEDULE- ECON –II (B)
A. COST OF CULTIVATION FOR ALL CROPS

Name of student: College :
Centre to which attached : Regn. No.:
Name of the host farmer : Village:
Name of the crop : Variety:
Area(ha) :

Sr. No	Item	Unit	Quantity used (kg	Rate per unit (Rs)	Total cost (Rs.)
1	Hired human labour (Male)	Days			
	Hired human labour (Female)	Days			
2	Bullock labour	Pair days			
3	Machinery charges	Hrs			
4	Seed	Kg/q			
5	Manure	Kg/Tones			
6	Fertilizers (in term of nutrient)	N (Kg.)			
		P2O5 (kg)			
		K_20 (Kg.)			
	Micronutrient	Kg/lit			
7	Irrigation charges	No.s			
8	Insecticides / Fungicides	g/kg/lit			
9	Land Revenue Cess and Taxes	Rs.			
10	Depreciation on implements and farm building.	Rs.			
11	Expenses on acquisition of inputs	Rs.			
12	Interest on working capital	Rs			
13	**Cost – A**	Rs.			
14	Rental value of land	Rs.			
15	Interest on fixed capital	Rs.			
16	**Cost-B (cost A+14+15)**				
17	Family human labour (Male)	Days			
	Family human labour (Female)	Days			
18	Cost C i.e. total cost per ha.	Rs.			
19	Supervision charges 10% of Cost	Rs.			

20. **a**) **Main yield Qty.(q)**

b) Income from Main yield (Rs.)

c) By produce Qty (q)

d) Income from by-produce (Rs.)

21. Total yield in q (a+c)_____Gross income (value) (b+c) Rs._____

22. Yield per hectare_____ Total value Rs_____

23. Per quintal cost of production Rs. _____

B. Marketing of produce

1. Total produce sold q Crop-wise)
   i)
   ii)
   iii)

2. Labour required for marketing: Male (days) Total Rs…….
   Female (days) Total Rs ……
   Bullock pairs (days) Total Rs……...

3. Marketing charges i) Marketing fee Rs._____
   ii) Others Rs._____
4. Total marketing cost : Rs. _____

Marketable surplus of Farm produce

Sr. No.	Name of crop	Qty. produced in qtl.	Quantity required for consumption & other purpose	Qty. sold in qtl.	Price / qtl.	Total value

III) Marketing channels used for selling the produce (last year)

Sr. No.	Marketing channel used	Name of the produce sold	Quantity sold
1	Village level traders		
2	Commission agents		
3	Wholesalers		
4	Co-operative. Societies		
5	Input agency		
6	Self		
7	Any other (specify)		

III) Marketing channels used for selling the produce (Current Year)

Sr. No.	Marketing channel used	Name of the produce sold	Quantity sold
1	Village level traders		
2	Commission agents		
3	Wholesalers		
4	Co-operative, Societies		
5	Input agency		
6	Self		
7	Any other (specify)		

I .Problems in marketing of produce

1. Direct Marketing
2. Marketing through market middleman

II. Suggestions to overcome the problems from far

RAWE SCHEDULE III (ECON/AHDS)
Consolidated annual expenditure and receipt statement from animal enterprises

Name of the Student: Regd. No: College:
Name of village and Centre:

Name of the Host Farmer:

Species	Number	Expenditure			Total(Rs.)	Income		Per year	
		Annual maintenance and feeding expenses	Depreciation (Rs.)			Item of Livestock production	Total (Rs.)	Net profit (Rs.)	Net loss (Rs.)
			Animal	Building		Milk			
Cow						Manure			
Buffalo						Sale / Hide			

Unit Attachment

General Guidelines for RAWE & AIA Unit Attachment (SRP-403)

- One week attachment is compulsory for student i.e visit to each (GOVT./ ICAR / SAU) - KVK, RARS, AGRI. COLLEGE (Three compulsory) and from NGO/SHG/ ATMA PROJECT – STATE AGRICULTURE DEPARTMENT/ZP unit - Any One institute of region (Total four).
- They should take actual participation of various ongoing activities of visiting institute.
- They should be acquainted with the ongoing research/ educational and extension activities and rural development programmes through farmers training, rally, exhibition, publications, workshop, demonstration, trials etc.
- They should write daily work (Abstracts of work) sheet and get the signature of concerned authority.
- The students should collect information in given prescribed format only.
- It is compulsory to attach photograph with In charge of institute.
- Attendance certificate is compulsory with sign. of In charge with seal of institute.
- The fifth week of unit attachment is for report preparation and final evaluation.

Plant Clinic

Plant Clinic attachment (SRP-402)

1. Diagnosis of damage made by different pests

Sr.NO.	Crop	Damage	Symptoms	Diagnosis			Control measures suggested			
				Stage/s of pest observed	Pest name	Group & order of pest	Chemical (a.i. name, a.i %, formulation dose ml or g/l)	Mechanical	Cultural	Other if any
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										

Plant Disease Clinic

2. PLANT DISEASE ALBUM

(10 Samples)

Name of the Student :

1. Regd. No. :
2. Name of Host farmer :
3. RAWE Centre :
4. Name of the village :
5. Taluka Place of Village :
6. District Place of Village :

Sr. No.	**Local Name**	
1	Name of the Crop	
2	Fugal/ Bacterial/Viral etc. Disease	
3	Symptoms	
4	Place of Collection	
5	Date Of Collection	
6	Diagnosis of Disease	
7	Casual organism	
8	Classification of casual organism up to genus species (Taxonomy)	
9	Suggested management of disease	

Paste Plant Disease Sample

Name of Disease

Insect Pest Clinic

INSECT PEST ALBUM

(10 Samples)

1. Name of the Student :
2. Regd. No. :
3. Name of Host farmer :
4. RAWE Centre :
5. Name of the village :
6. Taluka Place of Village :
7. District Place of Village

DIAGNOSIS OF DEFICIENCY SYMPTOMS OF DIFFERENT SOIL ELEMENTS (NUTRIENTS)

Identify the diagnosis and deficiency symptoms of major and micronutrients
Suggest the remedial measures for major and micro nutrients (Foliar/soil)

Plant Clinic: SSAC

1	Name of Student	:	
2	Name of Farmer	:	
3	Name of Crop	:	
4	Fertilizers applied	:	
5	Variety	:	
6	Growth Stage	:	
7	Symptoms observed	:	
8	Deficient Nutrient as per symptoms		
9	Suggestions given	:	
10	Control measures adopted	:	
11	Changes in crop appearance and growth after treatment	:	

(Collect sample with symptoms)

* Photos of symptoms, Control measures adopted and recovery are compulsory

Signature
(Student)

Signature
(Inspection Officer Incharge)

3. WEED ALBUM

1. Name of the Student :
2. Reg. No. :
3. Name of Host farmer :
4. RAWE Center :
5. Name of the Village :
6. Taluka Place of Village :
7. District Place of Village :

1.	Local Name	:	
2.	Botanical Name	:	
3.	English Name	:	
4.	Family	:	
5.	Soil Type	:	
6.	Habit / Life cycle / Season	:	
7.	Crop Associated	:	
8.	Area Covered / Weed Intensity	:	
9.	Control Measures	:	

UNIT ATTACHMENT (SRP-403)

KVK/RARS/ AGRI.COLLEGE/ NGO/SHG/ATMA/ZP DAILY ATTENDANCE SHEET

COLLEGE OF AGRICULTURE,

Name of the Student : . . . . Mobile No: . . . . . .

Regi. No. :……Name of Village ----------

Name of the visiting institute: . . . . . .

Name of the In charge of institute: Dr. /Prof.. . . . . Mobile No: . . . . . .

Daily Attendance

Week No.:

Sr. No.	Date	Day	Present / Absent	Abstract of Work Done	Sign of Staff / Concerned Authority
1					
2					
3					
4					
5					
6					
7					

Student Sign **I/C Sign with Seal**

Report on Study of Krishi Vigyan Kendra (KVK)

Following points to be considered while writing the report on exposure visit of KVK

1. Preamble – History of the KVK
2. Mandates / Objectives of the KVK
3. Organizational pattern / set up with staffing pattern :
4. Jurisdiction/Area of working
5. Functioning : General ---------- Major focus items / activities----------
6. Various activities including(last three years)

A. Research	Names	No.	B. Extension	Names	No.	C. Trainings	Names	No.
Planting material Production			FLD			For Youth /Farmers		
Seed production			Exposure visits			Farm Woman		
OFT			Technology week			Extension Functionaries		
Any others			Field days			Skill develop. to farmers		
			Celebration of days			Any others		
			Farmers rally					
			Seed sell					
			Bio-fertilizer sell					
			Soil sample Collection& analysis					
			Advisory services to farmers					
			Scientist visit to farmers field					
			Farmers visit to KVK					
			Extension Publics. (Print &Elec.)					
			Any others					

7. Special achievement of the KVK (last three years)

Sr. No.	Particulars	Names	Numbers
1.	Honour /Awards		
2.	Development grant		
3.	Village adoption		
4.	Any other		

8. Demonstration Unit established at KVK: (last three years)
(Eg. Sericulture/Apiculture/ Mushroom /Nursery /ATIC/ Hydroponics/ Azolla /Poultry etc.)

C. Students study at least last year Annual Progress Report of KVK & give remarks

D. Problems faced by Krishi Vigyan Kendra

E. Student`s actual practical experience gained in KVK with daily work diary & certificate

Research	Extension	Trainings

F. Obtain signature of the Senior Scientist / Program Co-ordinator

G. Suggestions to overcome problems

H. Student`s comments on experience gained during KVK attachment

{**Tip:** ***Group photograph with in-charge/ PC of KVK (Mandatory) with map of KVK***}

Sign of Student. Sign of Program Co-ordinator /Senior Scientist

B. Report on Study of Regional Agricultural Research Center

Following points to be considered while writing the report on exposure visit of research center

1. Preamble – History of the research center :
2. Mandates / Objectives of the research center :
3. Organizational pattern / set up with staffing pattern :
4. Total Area (Acres/Ha :
5. Functioning :
6. Research Schemes (last three years): Names : ---------- Numbers :----------
7. Various activities including :(last three years)

A. Research	Names & No.	Duration	B. Extension	Names & No.	Duration	C. Ad-hoc	Names& No.	Duration
1. Varieties released			1. FLD			1.		
2. Seed production			2. Trainings			2.		
3. Patent & varieties registered with PPV& FRA			3. Workshops			3.		
4.ICAR / SAU Trials			3.Farmer Rally & Exhibitions			4.		
5. Recommendations			5.Extension Publications			5.		

D. Special achievement of the research center (last three years)

Sr. No.	Particulars	Names	Numbers
1.	Honour /Awards		
2.	GI (Geographical Indications)		
3.	Any other		

E. Problems faced by research center

F. Student`s actual practical experience gained in Research Center

Research	Extension	Ad hoc Projects

G. Suggestions to overcome problems

H. Student`s comments on experience gained during research center attachment with daily work diary with dully signed of Incharge

I. Obtain signature of the in-charge with certificate

Sign of Student. Sign of I/c of RARS

{**Note :***Group photograph with in-charge (Mandatory) with map of RARS*}

Report on Visit of Non Government Organization (NGO) related to Agriculture

Non - Government Organizations are not for profit organizations which work towards the betterment of society. These are independent of government involvement, founded by citizens, which provides services to its members and others. They provide variety of services and humanitarian functions at local, national or international levels.

Non -Government Organizations are the part of social development and welfare of the state. They are functioning for child development, women empowerment, old aged homes, upliftment of slum children and women, education, health, disaster management, natural resource management, agricultural development, betterment of backward and deprived communities etc.

Students of final year B.Sc. Hons.(Agri.) degree undergoing RAWE program expected to know the role played by NGOs in agricultural or rural development directly or indirectly in terms of effective transfer of agricultural technologies towards farmers. Students need to approach any of NGO in or nearby allotted village/ taluka or district and obtain information on following aspects.

1. Name and address of NGO:
2. Year of Establishment:
3. Registration No.:
4. Name of Founder:
5. Audit grade obtained by NGO:
6. Details of Board of directors/ Executive members

Sr. No.	Name of member	Designation	Role performed
		Chairman/ President	
		Vice Chairman/ vice President	

7. Details of technical staff working in NGO

Sr. No.	Name of member	Designation	Role performed

Objectives of NGO:

……
……
……
……

8. What is procedure of formation of new NGO ?

……
……

……
……

9. Sources of income for carrying out different activities (during last year)

Sr. No.	Particulars	Yes/ No	Remark by student
1	Member contribution		
2	Donations from individual or organizations		
3	Foreign donations		
4	State/ Central Government schemes/ programs		
5	Bank loans		
6	Any other		

10. Details of funds utilized by NGO (during last year)

Sr. No.	Name of donor individual/ organization	Amount of funds received	Fund utilization
1			
2			
3			

11. Details of activities carried out by NGO (during last year)

Sr. No.	Nature of activities	No. of beneficiaries/ Area covered	Nature of benefit received
1	Agricultural Activities 1. 2.		
2	Rural Development Activities 1. 2.		
3	Social Activities 1. 2.		
4	Any other		

12. What are the major achievements/ accomplishments of NGO?

……
……
……
……
…….....

13. What are the problems faced by NGO in organizing and implementing developmental activities?

    ……
    ……
    ……
    ……
    ……
    ……
    ……

14. What are suggestions/ expectations by NGO for its better role performance?

    ……
    ……
    ……
    ……
    ……

15. What are future plans of NGO in respect to extend their activities/ better service to society?

    ……
    ……
    ……
    ……
    ……

16. Comments by students / practical experience gained with daily diary of work done with certificate

    ……
    ……
    ……

Signature of Students Signature of Chairman of Society

(**Photograph with chairman is mandatory**)

Report on Visit to

Student should visit one undergraduate college (Agriculture/Horticulture/Agril. Engineering /Agril. Food Technology/Agril. Biotechnology) and collect following information.

1) **Name of college :-**
2) **Name of university under which affiliated :-**
3) **Name of Trust :-**
4) **College type:- Government / Unaided**
5) **Year of Establishment**
6) **College grading (year):-**
7) **Intake capacity:-**
8) **Total students in college :-**
9) **Land holding of Institute**:-
10) **College Infrastructure and facility :-** (Current year)

Sr.No	Description	Number
1	Lecture Halls	
2	Laboratories	
3	Principal cabin	
4	Office	
5	Staff Rooms	
6	Library	
7	Computer Room	
8	Seminar Hall	
9	Strong Room	
10	CCTV Surveillance	
11	College Bus	
12	Store Rooms	
13	Gymnasium	
14	Toilets	
a.	For Boys	
b.	For Girls	
15	Auditorium	
16	Hostels	
a.	Wi -Fi facility	
b.	Drinking water (RO)	
c.	For Boys(Student capacity)	
d.	For Girls (Students capacity)	

9) Staffing Pattern :-(Current year)

Sr. No.	Designation	Number
1	Associate Dean / Principal	
2	Associate Professor	
3	Assistant Professor	
4	Librarian	
5	Physical Training Instructor	
6	Assistant Librarian	
7	Farm superintendent	
7	Office Superintendent	
8	Senior Clerk	
9	Junior Clerk	
10	Lab Assistants	
11	Agril .Assistant	
12	Bus Driver	
13	Peons	

10) Furniture:- (Current year)

Sr. No.	Items	YES/NO
1	Well equipped Lecture Halls with AV aids	
2	Well equipped laboratories with stools and tables	
3	Office furniture	
4	Well furnished hostel rooms with bed, table, chairs and cupboard	
5	Internet / Wi fi facility in classroom	

11) Books and other facility :- (Current year)

Sr. No.	Items	Number
1	Text books	
2	Reference books	
3	Agril..magazines	
4	Research journals	
5	News papers	
6	Computers with internet	
7	Reading rooms	

12) Farm:- (Current year)

A) Total land = ha. Irrigated = ha Rainfed = ha..

B) Crops grown on Farm with Area during different season.(last Year)

Kharif - *Rabi* – Summer –

Perennial Crops –

C) Details of Agriculture and allied enterprises on farm :- (Current year)
(Nursery, Dairy unit, Sheep and Goat unit, Vermicompost unit, Sericulture, Seed production etc)

13) Academic performance (Previous year) :-

A .Student passing Percentage:-
B . Student counseling system –YES/NO
C .No .of student participated in-
1. Intercollegiate Sports competition-
2. Interuniversity Sports competition –
3. Achievements in sports –
D. No .of student participated in cultural events-
1. Intercollegiate competition-
2. Interuniversity competition-
3. Achievements –
E. Does college has NSS unit - YES / NO
Activities carried out by NSS unit –
F. Does college has NCC unit - YES / NO
Activities carried out by NCC unit –
G. Does college has Placement unit – YES /NO.
Details of last year placements—
H. No. of students admitted to PG degree program through CET-
I . No. of students admitted to PG degree program through ICAR-
J. Details of various Experiential learning modules conducted at college-(Current year)

Sr . no	Name of module	No of students

K. Details of Extension Activities carried out by college(Previous year)

1. Farmers training programmes –
2. Guest lecturers organized for farmers –
3. Demonstration carried out-
4. Farmers rally and Exhibitions organized-
5. Publications –

a. Print media
b. electronic media

6. Farmers club-
7. Others-

14. Problems faced by students

15.Suggestion overcome the problems

16. Experience gained by student during visit

Name and Signature of student

Signature of Associate Dean /Principal/Competent authority of college

(**Photograph with head of institute is mandatory**)

E. Report on Functioning of ATMA / Other Programme (State Dept of Agri.)
(Modify it as per the programme)

1. **Project started :**
2. **Enlist projects under ATMA / Other Programme :**
3. Organizational setup of ATMA / Other Programme:

4. Mandates / Objectives of ATMA / Other Programme :
5. Staffing pattern of ATMA / Programme :
6. Sources of Funds / GOVT Grant :
7. Activities carried out under ATMA (During last three years)

Sr. No.	Activity	Crop/ Variety	Number	Duration
1	FLD (Front line Demonstration)			
2	FFS (Farmers Field School)			
3	SHG (registered under ATMA)			
4	Study Tour			
5	Extension Programme Organize			
6	VLW in ATMA			
7	Farmers friend in ATMA			
8	Any others			

8. Problems faced by ATMA Project :

9. Solution to overcome the problems :

10. Students comments / Practical experience gained in ATMA working with daily diary with certificate.

Name and Signature of student **Signature of Dy. Director ATMA**

(**Photograph with Dy. Director ATMA is mandatory**)

E. **Report on Visit of Self Help Group (SHG)/ Bank/ Cooperative Society)**

Sample for Self Help Group (SHG): (Modify as per other institutes)

A Self Help Group is a group of men or women (Minimum 10 and maximum 20) formed with objective to earn, save and utilize in such a way to solve their day to day necessities through the entrepreneurship and to make themselves self-sufficient.

1. Name of Self Help Group :
2. Date & Year of Establishment :
3. Total no. of members :

a. Male members : b. Female members :

4. Educational Status of Members: Illiterate:
   Literate:
5. Address : Village: ---------- Tehsil: ---------- District:----------
   Phone No:----------
6. Type of SHG: a. Male Oriented b. Female Oriented c. Mixed
7. Office Bearer of SHG :

Sr. No.	Name	Age	Education	Category	Position
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					

8. Objective of SHG
9. SHG Meetings & Book Keeping Records
10. Indicate the total number of meetings Since Inception of the SHG:_____
11. Intervals and presence of members in last five meetings

Sr. No.	Date& Year	Number of members present in Meetings	Number of members absent in meetings
1			
2			
3			
4			
5			

12. Whether all members attending the meeting regularly? Yes/ No , If No, what is the general reasons for not attending the meetings?

a. b. c. d .

13. Give the procedure / methods for decision taking in meeting

a. b. c. d .

14. Record Books are being kept by the SHGs

Sr. No.	Record Books	Maintained (Yes/ No)	Regularly (Yes/ No)
1.			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			

15.Financial Records of SHG:

1. Indicate the amount saved per month/per member of SHG:Rs_
2. Indicate the source of funds of the SHG and the amount received (during last year)

a. ---------- b.---------- c.---------- d.----------

Sr. No	Source of Funds	Name of the Bank/ Organization	Purpose of Grant/ Loan	Total Amount	Subsidy	Loan Amount	Interest Rate	Amount Repaid
1	Bank Loans							
2	NGO Support							
3	Govt. Agencies							
4	Any Other Source							

(During last year)

Sr. No	Source of Funds	Name of the Bank/ Organization	Purpose of Grant/ Loan	Total Amount	Subsidy	Loan Amount	Interest Rate	Amount Repaid
1	Bank Loans							
2	NGOSupport							
3	Govt. Agencies							
4	Any Other Source							

Details of the Loaning by SHG (During last year)

Sr. No.	Particulars	Number
1	Members who have taken loan	
2	Multiple Loaning Members	
3	Inter-lending by Members	
4	Total loans granted	

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Purposes of loan for SHGs (During last year)

1.	Agriculture & Allied Activities	
2.	Business Activities	
3.	Consumption Activities	
4.	Other	

16. Activities 'Before and after' Joining the SHGs (During last year)

	Before	After	Number
Purpose of Loan			
Agriculture &allied activities			
Business activities			
Consumption Purpose			

17. Give the Information regarding Credit Utilization and Repayment: (During last year)

Sr. No.	Loan Category	Amount	Number of Members	Repayment Status
1	Agriculture & Allied Activities			
2	Business Activities			
3	Consumption Activities			
6	Any Other			

18. Indicate the Information regarding Credit Utilization and Repayment: (During last year)

Sr. No.	Loan Category	Amount	Number of Members	Repayment Status
1	Agriculture & Allied Activities			
2	Business Activities			
3	Consumption Activities			
6	Any Other			

19. Social Activities: Give the type of any Social Activity/ Awareness Program taken up by the SHG: (During last year)

Sr. No.	Types of programme	**Yes**	**No**
1	Health		
2	Immunization		
3	Education		
4	ICDS/Nutrition/Aganwadi		
5	Adolescent programme		
6	Non formal Education		
7	Water and Sanitation programme		
8	Any others (Specify)		

20. Problems faced by SHG
21. Suggestions of SHG to overcome the problems.
22. Students actual practical experience in SHG working with daily work diary with certificate

Name and Signature of student **Signature of Chairman**

(**Photograph with Chairman of SHG is mandatory**)

Agro Industrial Attachment

AIA REPORT

Reports on Study and Analysis of Agro based Industry/Enterprises

A) Background of firm/Company

1. Name:
2. Vision : (Note promoters vision for next 25 years)
3. Establishment/history (Comment on establishment, promoters experience in line of activity)
4. Plant location: (Note geographic feasibility on availability of raw material, labour& transport facilities etc)
5. Constitution: (Sole Proprietorship/Partnership/Pvt Ltd/SHG/Cooperatives)
6. Shareholding pattern (If it is partnership firm or Pvt Ltd company)
7. Nature of business:
8. Business segment:

B) Statutory Clearances:

1. District Industries center registration
2. GST registration
3. Pollution Control Board Consent or License.
4. Shop & Establishment registration:
5. Registration/Consent- Local bodies
6. Electricity connection:
7. Industry Specific license/Consent: (FSSAI registration)

C) Organizational Structure:

1. Management: (Comment on key decision making individuals/boards of directors)
2. Administration: (Comment on day-today administration of firm/company)
3. Employees:
   i. Divisions and reporting structure
   ii. Number of Permanent/full time employees & number of wage based employees
   iii. Nature of agreements with employees- Written/oral
   iv. Employee training-
   v. Employee benefits- Mediclaim, Life insurances, PPF, Perks/bonuses, Family welfare

D) Production:

1. Production Process:
   (Note- Steps by step operations)
2. Plant & Machineries: Automized/Semi-automized/manual
3. Quality control: (Make note on parameters to assess quality and how respective parameters are verified)
4. Nature of Packaging
5. Finished goods storage &Validity

E) Product portfolio and Marketing:

1. Product portfolio- End to end product categories
   (Product portfolio is collection of products/services offered by company)
2. Market Positioning of Products-
   i. Business to business or Business to Customer
      (Understand if product is directly sold to end customers or marketed through distribution channels like wholesalers, retailers etc)
   ii. Rural or urban focused or Both
   iii. High Value product or Cost Effective

(Draw graph with respect to brand and price offered by varied firm & Compare it with other competitive brands in market)

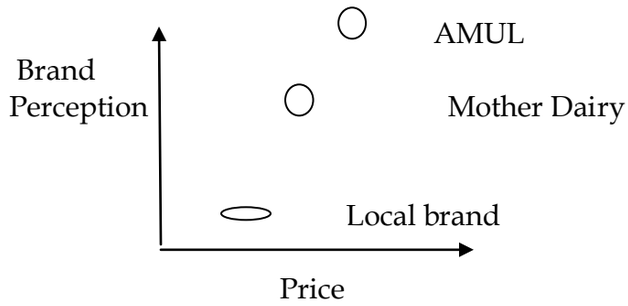
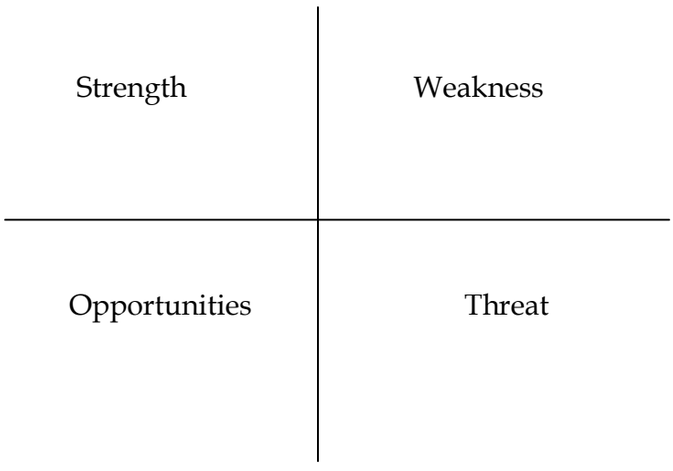


Fig. Market Positioning of Product

AMUL-Indicates high brand value & High price
Mother Dairy – Indicates price same as AMUL. However, its brand value is lesser compared to AMUL
Local brand- Its indicating very low brand value specific to particular geography with medium or low price range)

3. Assessment of business segment of firm

(e.g. Hindustan lever is leading FMCG brand. Its nature of business is FMCG. However, its business segments are Food, Cleaning agents & personal care products)



4. **Market Research:** Nature of market research done to make changes in existing products categories or launching of new product
5. **Customer Orientation-** Process followed for assessing satisfaction of customer, customer complaints and feedback

6. Logistics/Distribution:

i. Sales channels: Company employees, third party or any other
ii. Geography covered:
iii. Transportation facilities
iv. Nature of service to customer- Weekly, Monthly or Season based
v. Payment terms and conditions

F) Financial planning, Sources and assessment:

1. Fixed Investment: (Net of depreciation as on 31.03.2020)

i. Land
ii. Building (includes office, storage or godown etc)
iii. Plant and Machineries
iv. Vehicles
v. Deposits
vi. Others if any

2. Working Capital:

i. Raw Material
ii. Work in process
iii. Finished Goods
iv. Average Credit value (With number of days)
v. Average Debtors value (With number of days)
vi. Advances to staff
vii. Advances to supplier

3. **Source of Fixed Investment:** Equity & Debt (Bank loans or friends/family)
4. **Source of working capital:** Equity to debt (Bank loans or friends/family)

5. Assessment of financials:

a) Challenges in raising finance from Banks & other sources for expansion/new project
b) Revenue analysis:
   i) Comment on growth in revenue - year on year basis.
   (if revenue is increasing, decreasing or fluctuating)
   ii) Capacity utilization of unit:
   iii) Analyze demand-supply scenario of firm/company
   (if firm has excess capacity to produce, however it is yet to develop market or if firm s existing capacity is inadequate to meet market demand)
   iv) Seasonal variations in revenue generation/sales, if any
   v) Comment on liquidity crunch during lean season or unforeseen circumstances.

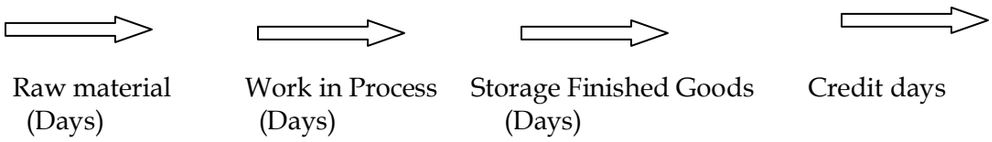
Working capital management: Analysis

i. Quantum of Funds for Raw material Procurement & Storage

ii. Quantum of Funds blocked in Storage & holding of finished goods

iii. Average Credit given in market and its recovery

Draw Cycle of fund conversion from procurement till sale of products



c) Investigate business and financial risks of company/firm. Make list of all risks and comment, how risks are mitigated by promoters of company/firm

Social Cost benefit Analysis:

a) Environmental impact of given Industry: Waste disposal methods
b) Social responsibility program of firm/company, if any
c) Employment generation
d) Participation and empowerment of women
e) Direct & indirect involvement of community

Note :- 1) Attached the photograph
2) Students have to write daily diary (proforma attached)

COLLEGE OF AGRICULTURE .....

Name of the Student : . . . .Mobile No : . . . . . .

Name of the Company: . . . . . .

Name of the Company Trainer: . . . . . Mobile No : . . . . . .

Daily Attendance

Month			
Sr. No.	**Date**	**Present/Absent**	**Sign of Company Trainer**
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			
31			

Student Sign **I/C Sign with Seal**

COLLEGE OF AGRICULTURE, ……..

Date:

Work to be carried out Daily

Daily Work: . . . .
. . . .
.. . .
. . . .
. . . .
. . . .
. . . .
. . . .

Signature of Instructor

ANNEXURE

ANNEXURE-I

VASANTRAO NAIK MARATHWADA KRISHI VIDYAPEETH, PARBHANI

COLLEGE OF AGRICUTLURE, _____

MARK CUM GRADE SHEET OF RAWE and AIA (0+20Credits)

Course No.: _____ **Credits: _____** **Semester: VII**

RAWE Component: _____ **Academic Session: ___**

Name of the Centre: _____

MARK SHEET OF VILLAGE ATTACHEMET (10 Credits) 500 Marks

Reg. No.	Name of Student	Orientation and survey of village (40)	Agrono-mical intervene-tions including seed production (40)	Plant protection interventions (40)	Soil improvement interventions (Soil sampling and testing) (40)	Fruit, Vegetable and flower production interventions (40)	Food processing and storage inventions (40)	Animal production interventions (40)	Extension and transfer of technology activities (40)	Economics and farm management interventions (40)	Report preparation & Presentation (70)	Viva-voce (70)	Total (500)	% of marks	Grade earned	Grade Point (Grade earned x Credit)
1	XYZ	25	30	25	30	30	30	25	25	30	50	50	350	70	7.0	70
2																

Signature of Programme Officer **Signature of Dean's Representative**

Signature of Chairman

ANNEXURE-II

VASANTRAO NAIK MARATHWADA KRISHI VIDYAPEETH, PARBHANI
COLLEGE OF AGRICUTLURE, _____
MARK CUM GRADE SHEET OF RAWE and AIA (0+20 Credits)

Course No.: _____ **Credits: _____**
Semester: VII
RAWE Component: _____ **Academic Session: ___**
Name of the Centre: _____

Mark sheet of Plant Clinic (2 Credits) 100 Marks

Reg.No.	Name of Student	Plant Clinic Incharge (30)					Report preparation and evaluation (20)	Album for Diseases, Weed, Deficiency. Insect Pest collection (20)	Presentation & Viva-voce (30)	Total (100)	% of marks	Grade earned	Grade Point (Grade earned x Credit)
		Survey and surveillance (6)	Crop loss assessment (6)	Diagnosis of Diseases, pests, weeds and deficiency (6)	Knowledge centre (6)	Spot Recommendation (6)							
1	XYZ	4	4	5	3	3	15	18	25	74	74	7.4	14.8

Signature of Programme Officer **Signature of Plant Clinic Co-ordinator**

Signature of Dean's Representative **Signature of Chairman**

ANNEXURE-III

VASANTRAO NAIK MARATHWADA KRISHI VIDYAPEETH, PARBHANI

COLLEGE OF AGRICUTLURE, _____ 144

MARK CUM GRADE SHEET OF RAWE and AIA (0+20Credits)

Course No.: _____ **Credits: _____**
Semester: VII
RAWE Component : _____ **Academic Session: ___**
Name of the Centre: _____

MARK SHEET OF UNIT ATTACHEMET (4 Credits) 200 Marks

Reg. No.	Name of Student	Student Initiative and Compliance (50)			Final Report (100)				Presentation & Viva-voce (50)	Total (200)	% of marks	Grade earned	Grade Point (Grade earned x Credit)
		Attendance and Regularity (10)	Initiative & Creativity (10)	Work performance, General conduct & discipline (30)	KVK (25)	RARS (25)	Programme / Scheme of State Agri. Dept. (25)	NGO /Co-operative Society/Bank (25)					
1	XYZ	5	8	25	20	20	18	22	45	163	81.50	8.15	32.6

Signature of Programme Officer **Signature of Unit attachment Co-ordinator**

Signature of Dean's Representative **Signature of Chairman**

ANNEXURE-IV

VASANTRAO NAIK MARATHWADA KRISHI VIDYAPEETH, PARBHANI

COLLEGE OF AGRICUTLURE, _____

MARK CUM GRADE SHEET OF RAWE and AIA (0+20 Credits)

Course No.: _____ **Credits: _____** **Semester: VII**

RAWE Component: _____ **Academic Session: ___**

Name of the Centre: _____

MARK SHEET OF AIA (4 Credits) 200 Marks

Reg. No.	Name of Student	Advisory for AIA (80)				Report preparation (40)	University Committee (80)		Total (200)	% of marks	Grade earned	Grade Point (Grade earned x Credit)
		Initiative and compliance (10)	General conduct and discipline (10)	Project planning and implementation (30)	Work Performance (30)		Presentation & Viva-voce (40)	Innovative ideas/project in respect of entrepreneurship development (40)				
1	XYZ	8	8	25	25	35	35	30	166	83	8.3	33.2

Signature of Programme Officer **Signature of AIA Placement Officer**

Signature of Dean's Representative **Signature of Chairman**

ANNEXURE-V

VASANTRAO NAIK MARATHWADA KRISHI VIDYAPEETH, PARBHANI

COLLEGE OF AGRICUTLURE, _____

MARK CUM GRADE SHEET OF RAWE and AIA (0+20 Credits)

Course No.: _____ **Credits: _____** **Semester: VII**
Title of Student READY component: RAWE & AIA **Academic Session: ___**
Name of the Centre: _____

TOTAL MARK SHEET OF RAWE & AIA (20 Credits) 1000 Marks

Reg.No.	Name of Student	RAWE (SRP-401)	Plant Clinic (SRP-402)	Unit attachment (SRP-403)	AIA (SRP-404)	Total Grade points	Total Credits	Grade Point
1	XYZ	70.00	14.80	32.60	33.20	150.60	20	7.53

Signature of Programme Officer **Signature of Dean's Representative**

Signature of Chairman