

VII Semester

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

Sr. No.	Subject Code	Name of the Subject	Contact Hours		Marks Distribution			Credit
			Theory	Practical	Internal	External	Total	
1	BAGRS1-751	Rural Agricultural Work Experience and Agro-industrial Attachment (RAWA &AIA)	0	40	80	120	200	20
Total			0	40	80	120	200	20

Course outcomes

1. Gain practical knowledge in rural agricultural practices through village attachment.
2. Develop hands-on skills in agro-industrial operations during unit attachment.
3. Enhance understanding of agricultural research through KVK/Research Station attachment.
4. Demonstrate expertise in plant clinic management, project report preparation, presentation, and evaluation.

Rural Agricultural Work Experience and Agro-industrial Attachment (RAWA &AIA)				
No.	Activities	No. of weeks	Credit Hours	Modules
1	General orientation & On campus training by different faculties	1		The students will be apprised of various issues related to Punjab agriculture and shall be acquainted with different technologies & techniques.
2	Village attachment	8	8	The students will be deputed to work in villages in small groups (one group in each village) by Department to work on various aspects as allotted
	Unit attachment in Univ./ College. KVK/ Research Station Attachment	5	5	The students will be attached to various KVKs in small groups (one group in each KVK/RRS). They will be involved in different activities of the KVK viz: Farm management, subsidiary units, training programs, seed sale etc.
3	Plant clinic	2	3	Small batches of students will be attached in Plant Clinic for 2 weeks where experts from the Agronomy, Soil Science, Plant Protection, Fruit Science & Vegetable Science will co- ordinate their training
4	Agro-Industrial Attachment	3	4	The students will be get training from Agro-Industry and submit the experience certificate along with report in the Department
5	Project Report Preparation, Presentation and Evaluation	1		
	Total weeks for RAWA & AIA	20	20	

Agro- Industrial Attachment: The students would be attached with the agro-industries for a period of 3 weeks to get an experience of the industrial environment and working.

Educational tour will be conducted in break between VI & VII Semester or VII & VIII Semester

RAWE Component-I: Village Attachment Training Programme

S. No.	Activity	Duration
1	Orientation and Survey of Village	1 week
2	Agronomical Interventions	1 week
3	Plant Protection Interventions	1 week
4	Soil Improvement Interventions	1 week
5	Fruit and Vegetable Production Interventions	1 week
6	Food Processing and Storage Interventions	1 week
7	Animal Production Interventions	1 week
8	Extension and Transfer of Technology Activities	1 week

RAWE Component-II Agro Industrial Attachment

Students shall be placed in Agro-and Cottage industries and Commodities Boards for 03 weeks.

Industries include Seed/Sapling production, Seed Industries, Herbicide Formulators, Pesticides-insecticides, Post harvest-processing-value addition, Agri-finance institutions, Commercial Honey Production, Hive and Apicultural Equipment and Honey Processing Manufacturing Units; Honey Trading, Processing, Packaging, Exporting and Marketing Units. Nursery Raising and Plant propagation Industry, Beekeeping, Fishery; Animal based Industry, and Agriculture implements Industry Biocontrol Agents Production Units, Plant Quarantine Station, Virus free Potato Tuber Production Units, Fruit and Vegetables Industry, Beverages Industry, Cereal Industry, Commercial Flower Nurseries Flower Marketing Firms, Flower Seed Production and Landscaping Units, Milk Industry, Forest based Industry, High-tech Nursery (Tree Planting Stock Production), Commercial Fruit Nurseries, Commercial Hybrid Seed Production Units, Fertilizer Industries, Vermicompost Units, Bio-fertilizer Units, Commercial Vegetable Nurseries, Farms of Progressive Vegetable Growers, Mushroom Production Units etc.

S.No.	Activities and Tasks during Agro-Industrial Attachment Programme
1	Acquaintance with industry and staff
2	Study of structure, functioning, objective, and mandates of the industry
3	Study of various processing units and hands-on trainings under supervision of industry staff
4	Ethics of industry
5	Employment generated by the industry
6	Contribution of the industry to promoting the environment
7	Learning the business network, including outlets of the industry Skill development in all crucial tasks of the industry
8	Documentation of the activities and tasks performed by the students
9	Performance evaluation, appraisal, and ranking of students

Attendance:

As the program is enterprise oriented, students and faculty are expected to work even on holidays and without any time limit or restriction of working hours. The minimum attendance required for this program is 85%. Any student in the event of recording shortage of attendance has to re-register, when offered next.

A separate certificate will be issued to the students after successful completion of each component

EVALUATION OF RURAL AGRICULTURAL WORK EXPERIENCE (RAWE)

S.No.	Parameter	Max Marks	Evaluation by
1	RAWE Planning and Writing	20	Internal
2	General orientation & On campus training by different faculties	20	Internal
3	Village attachment	20	Internal
4	Unit attachment in University/College/ KVK/ Research Station	20	External
5	Plant clinic	20	External
6	Agro-Industrial Attachment	20	External
7	Attendance	20	Internal
8	Final Presentation	20	External
9	Project report	40	External
	Total	200	

RAWE Evaluation (Internal and External)**Internal Evaluation Criteria (Total Marks: 80)**

Internal marks will be evaluated by the Program Coordinators/Faculty based on the following parameters:

1. RAWE Planning and Writing

- Quality and completeness of RAWE plan.
- Clarity and coherence in writing.
- Relevance and feasibility of proposed activities.

2. General Orientation & On-campus Training by Different Faculties

- Attendance and participation in training sessions.
- Interaction with faculty members.
- Understanding and application of knowledge gained.

3. Village Attachment

- Engagement with village community.
- Implementation of planned activities.
- Impact assessment and feedback from villagers.

4. Attendance

- Consistency and punctuality in attending RAWE-related activities. Minimum required attendance percentage.

The Program Coordinator will assess these parameters based on:

- Attendance records.
- Daily work reports.
- Checking diaries.
- Monthly internal viva.

External Evaluation Criteria (Total Marks: 120)

The external evaluation committee will include:

1. Head of Department
2. RAWE Coordinators
3. External Expert

This committee will conduct:

- Final presentation assessment.
- External viva on work done in unit attachment, plant clinic, agro-industrial attachment.
- Project report evaluation.

VIII Semester

Sr. No.	Subject Code	Name of the Subject	Contact Hours		Marks Distribution			Credit
			Theory	Practical	Internal	External	Total	
1	BAGRS1-851	Experiential Learning Programme-1	0	20	40	60	100	10
2	BAGRS1-852	Experiential Learning Programme-2	0	20	40	60	100	10
Total			0	40	80	120	200	20

Course Outcome

1. Develop practical farming skills for sustainable agriculture practices.
2. Cultivate entrepreneurial acumen in agribusiness management.
3. Foster innovation and problem-solving abilities in agricultural contexts.
4. Enhance teamwork and communication skills for collaborative agricultural projects.

Modules for Skill Development and Entrepreneurship: A student has to register 20 credits opting for two modules of (0+10) credits each (total 20 credits) from the package of modules in the VIII semester. (ELP)

Title of the Module (ELP)	Credits
Production Technology for Bioagents and Biofertilizer	0+10
Seed Production and Technology	0+10
Mushroom Cultivation Technology	0+10
Soil, Plant, Water and Seed Testing	0+10
Commercial Beekeeping	0+10
Poultry Production Technology	0+10
Commercial Horticulture	0+10
Floriculture and Landscaping	0+10
Food Processing	0+10
Agriculture Waste Management	0+10
Organic Production Technology	0+10
Commercial Sericulture	0+10

Evaluation of Experiential Learning Programme for one module

S.N.	Parameters	Max. Marks	Evaluation by
1	Project Planning and Writing	10	Internal
2	Presentation	10	External
3	Regularity	10	Internal
4	Monthly Assessment	10	Internal
5	Output Delivery	10	External
6	Technical Skill Development	10	External
7	Entrepreneurship Skills	10	External
8	Business Networking Skills	10	External
9	Report Writing Skills	10	Internal
10	Final Presentation	10	External
Total		100	

Internal Evaluation (40 Marks Total): Conducted by the ELP Faculty.

Based on:

1. **Project Planning and Writing:** Evaluation of how well the project is planned and documented.
2. **Regularity:** Assessment of the student's regularity in attending and participating in the project activities.
3. **Monthly Assessment:** Regular checks of the unit progress and work done.
4. **Report Writing Skills:** Quality of the report documenting the project.

External Evaluation (60 Marks Total):

- Conducted by a committee consisting of the Head of Department, ELP Coordinators, and an External Expert.

Based on: **Viva, Final Presentation & ELP Report**