

IDP  
Faculty of Agricultural Sciences and Allied  
Industries  
Rama University, Kanpur (U.P.)



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# FACULTY OF AGRICULTURAL SCIENCES AND ALLIED INDUSTRIES

## INSTITUTIONAL DEVELOPMENT PLAN (IDP)

  
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**UTTAR PRADESH, KANPUR**

  
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**Faculty of Agricultural Sciences and Allied Industries**  
**Rama University Uttar Pradesh, Kanpur**

FASAI has to work in tandem with the University administration for different issues in order to sustain its student strength in future. The issues have been enlisted on the basis of priority. The thrust areas which need immediate action has been prioritized (thrust area A and B mentioned below).

There is demand for education in Agriculture among student mass of UP and adjoining states. Kanpur has been an old center of Agricultural education in India. Accreditation from central bodies like ICAR and NAAC will empower us to compete with other private universities.

The FASAI has immense potential due to its strategic location which may be harnessed upon. Based on that four areas have been identified (thrust area C, D, E and F) which can be ventured and prospected under the aegis of the University administration. Execution of activities under those thrust areas are totally subjected to the support provided from the University, since FASAI *per se* is a resource scarce faculty and devoid of many basic facilities (especially lab).

Besides those thrust areas, FASAI will continue working for the mainstay academic as well as research activities in efficient manner towards the eminence.

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**Thrust areas:**

- A. Development of infrastructure to achieve ICAR accreditation.
- B. Fulfillment of prerequisites for NAAC accreditation (University team is already pursuing the same).
- C. Venturing the scope of industry: academia or farmer: academia interface based on local firms and progressive farmers.
- D. Venturing the scope of commercial seed production with facilities available with the university.
- E. Venturing interdisciplinary studies on project mode with other faculties of RAMA University.
- F. Addressing the admission issues in collaboration with the University Admission/ Student counseling cell in order to sustain the student strength.

The above mentioned areas are briefly discussed below:

**A. Development of infrastructure to achieve ICAR accreditation.**

In India, Agriculture education is under the Department of Agriculture Research and Education (DARE), Ministry of Agriculture, Cooperation and Farmer's Welfare (MoACFW), Govt. of India. ADG (HR/Education), Indian Council of Agricultural Research. The State Agriculture Universities of UP and adjoining states are not in their heydays, in this background FASAI has a scope to address and uphold the agriculture education in this region as a major private player. Thereby ICAR accreditation is a prior prerequisite for FASAI to sustain its student

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strength. Few private agriculture universities/ Institutes (ex. Lovely Professional University, Punjab, ITM, Gwalior etc.) have ICAR accreditation, following which their student strength soared high. UP as a state leads in Agriculture Education in India where considerable mass of students study Agriculture in rural, sub-urban and urban belts. There are limited seats in Govt. Institutes and here is a scope for FASAI to dent in. FASAI severely lacks basic infrastructure and facilities as per ICAR guidelines which need an immediate address from the University. FASAI will establish a body for ICAR accreditation in aggressive mode in cooperation with the university. The shortcomings will be identified and prospecting will be done based on available resources. A timeline bound course of activity will be finalized after consultation with the university administration.

### **B. Fulfillment of prerequisites for NAAC accreditation**

Works has been already initiated for documentation regarding NAAC accreditation process and this activity will be prioritized as per the direction of the Director Research (University level NAAC committee is already working for that).

### **C. Venturing the scope of industry: academia or farmer: academia interface based on local firms and progressive farmers**

Kanpur region has several local brands which manufacture and market agricultural inputs and processed products. This region has many progressive farmers as well. FASAI envision establishment of an industry: academia or farmer:



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academia interface based on the local resource person/organization/firms etc. to provide professional exposure to the students and prospecting for scope of consultancy.

**D. Venturing the scope of commercial seed production with facilities available with the university**

FASAI also envision for establishment of a seed farm as a part of the teaching curriculum of the university and commercial production of seeds of different crops, which is a routine activity of all the State Agricultural Universities of India. Marketing of seed being a legal issue, certification of seeds produced need to be carried out under the purview of the Govt. Seed Certification body as well.

**E. Venturing interdisciplinary studies on project mode with other faculties of RAMA University**

There various areas in which FASAI can work with other Faculties of the University in research project mode to generate valuable information. With discourse at faculty level, areas of work will be identified and plan may be proposed to the authority, if allowed. This is subjected to provision of financing from any source or University.

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**F. Addressing the admission issue in collaboration with the University Admission/ Student counseling cell in order to sustain the student strength.**

To sustain its student strength and maximize student admission, FASAI wishes to work aggressively with the University admission or student counseling cell. If allowed from the authority, the action plan may be worked out together with the concerned section. Agriculture education being different from conventional streams, need subject specific inputs which may be provided by the Teachers and Senior Students.

**Specific areas related to R&D and academic excellence to be focused for Departmental Growth**

**1. Research Papers**

- More than 45 Research papers (all in Scopus listed NAAS rated Journals) has been published by faculties of FASAI in 2019-2020.
- Research papers will be targeted in Reputed NAAS rated Scopus listed Journals in various specialized fields like, Agronomy, Soil Science, Genetics and Plant Breeding, Plant pathology, Horticulture, Economics and Extension education etc.

**2. Book chapters**

- More than seven book chapters have been published by reputed publishers like Springer, Elsevier, Apple Academic Press/ CRC press, Akinik Publication etc by the faculties of FASAI in the year 2020.



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- More book chapters will be targeted in reputed publishers in various disciplines of Agriculture.

### **3. Books**

- Two books (Economics and Horticulture) have been published in the year 2020 from FASAI.
- Four lab manuals (RAWA, Genetics, Plant Physiology and Soil Science) have been finalized to be published by RAMA University, Kanpur.
- Most of the faculties related to different fields of Agriculture are involved in writing the books (Competitive/ Text book) in their respective domain. The books will be published as soon as completed (Six books are under pipeline).

### **4. Research projects (Externally Funding Agencies)**

- All the Ph. D. Faculties will submit the Research projects to DST, UPCST, UPCAR etc. as per their area of specialization, as soon as the projects will be invited in the given thrust areas.
- Faculties are involved in writing the projects according to the notifications of different funding agencies.

### **5. Research projects (In House Projects)**

- Mushroom Unit
- M. Sc. Ag. Student's research trials
- Ph. D. Student's research trials

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- Polyhouse (off season vegetable production)
- Seed multiplication Trials
- Cereal production
- Vegetable production

#### **6. Lab development**

- Lab is a very basic facility which is needed for excellence in academics as well as in research and that is the lacking part in FASAI, which will be focused and developed at least with the minimum basic requirements that will strengthen teaching as well as research part in GPB, Pathology, Soil Science, Horticulture and food processing.

#### **7. Seed Money**

- One project on Value addition of fruits and Vegetables (PI Dr. Atul Yadav) has been started and work will be done for better learning of students.
- In the upcoming years faculty members will be encouraged to apply for seed money projects.

#### **8. Active student Groups**

- Based on the interest of students in different subjects of Agriculture, some of them has been identified to work on following projects:
- Vermi-compost production
- Off- season vegetable production in polyhouse
- Production of leafy vegetables under Hydroponics



- Solar Chaff Cutter which will be utilized in Dairy unit of Rama University.
- Value addition of fruits and vegetables.
- Mushroom cultivation.

#### **9. Short term courses**

- Short term courses will be prepared in broad areas of Agriculture depending upon crop seasons and availability of the materials.

#### **10. Certificate courses**

- One online certificate course on "Agri-business management and Entrepreneurship development" 35 days course is being run by Mr. Jitendra Ojha from 9<sup>th</sup> November 2020 (109 participants).
- We will target to run such certificate courses in future also to strengthen the Academic involvement.
- Faculty members will also be encouraged to conduct such online certificate course.

#### **11. Conferences/ Workshops/Seminars**

- NCTAEEIA 2020 was organized successfully in March by FASAI.
- National Conference on "Agripreneurship: Opportunities and Challenges towards Vocal for Local" has been organized in February (2<sup>nd</sup> & 3<sup>rd</sup>) 2021.
- We have targeted to conduct one national conference per year.

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**12. MoU's**

- Five MoU's with reputed ICAR organizations and other institutions has been signed in 2019-2020 (ICAR-IIPR, Kanpur, ICAR-CSSRI, Kanpur, ICAR-CISH, Rehmankhera, Lucknow, IIGM, Lucknow and CRD, Gorakhpur).
- One MoU with Vraddhi Organic Agro-India Pvt. Ltd. is under process and will be finalized in November 2020.
- MoU's with other reputed organizations will also be initiated in near future to work in collaborative manner to enrich the teaching and research activities.

**13. Patents and Copyrights**

- One patent has been filed from FASAI " Conversion of sugarcane leaves in to useful products" dated 2.4.2021, application no. 202111013258.
- This domain has to be explored in the upcoming years.

**14. Expert lectures**

- Numerous expert lectures has been conducted and will also be finalized in future for better exposure of students towards excellence in Academics as well as research. This will encourage the students for understanding the utility and importance of their subjects and will help to explore new avenues.

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- Experts from different National and International repute have been invited to encourage the students like, IIRS, ISRO, Dehradun, ICAR-IIPR, Kanpur, CSAU&T, Kanpur, BAU, Sabour, Bihar, GBPUA&T, Pantnagar, ICAR-CISH, Lucknow, Manupra Foundation, Jhansi, German Homa Therapy, Germany etc.

#### 15. **Landscaping and campus beautification**

Work on landscaping and campus beautification is under process as it is a never ending process, it depends upon seasons. As per the seasonal requirements, the plants keep on changing. Fruit plants like mango, guava, pomegranate etc has been planted in the year 2019-2020. Park development work is also under process, Avenue planting is being done, it will be continued in future as per the requirements.

#### 16. **Seed production**

- The initiative has to be taken for seed production of vegetables as well as some important cereals for future use to avoid the purchase of fresh seed every year (except hybrids).

#### 17. **Trainings to students**

- It is a very important activity for the students especially in the courses which provide Professional Degrees. Training helps the students to understand the practicality, applicability and expertise of their subjects.

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- 28 days training was provided to 43 RAWE students during Pandemic situation under Vraddhi Organic Agro- India Pvt. Ltd. Mathura.
- More than 15 students were deputed to different KVK's and ICAR institutions (Govt. org.) for training under RAWE program.
- Such type of trainings will also be provided in future to achieve excellence in academics as well as research.

#### **18. Placements**

- Placement is another very important juncture to be worked upon as it creates the brand value and ensures next session admissions also. A team has been constituted to work in coordination with T&P Cell personnel's. Number of companies has been identified related to hiring in Agriculture. That will be targeted in the upcoming year.
- The students will be trained (both soft skill and technical part of their subjects) to groom them before their Interviews.
- Several student groups will be identified based on their skill and expertise so that accordingly the companies will be targeted.

#### **19. Other competitive examinations preparation (Specially UPCATET) for creating the face value/ brand value of FASAI, Rama University**

- Some specialized faculties from different subjects will be assigned for this purpose.

  
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