

3.7.1 Number of functional collaborative activities with other institutions/research establishment/industry for research and academic development of faculty and students per year.

3.7.1.1: Total number of collaborative activities with other institutions/research establishment/industry for research and academic development of faculty and students year wise during the last five years.

| Year   | 2016-17 | 2017-18 | 2018-19 | 2019-20 | 2020-21 |
|--------|---------|---------|---------|---------|---------|
| Number | -       | -       | 05      | 10      | 06      |

Data requirements for last five years: (As per Data Template)

| Sr. No. | Title of the collaborative activity   | Name of the collaborative agency with contact details                                    | Source of financial support | Year of collaboration | Duration  | Nature of the activity  |
|---------|---|--|-----------------------------|-----------------------|-----------|---|
| 1       | To conduct research under the AICRP on under utilized plants  | AICRP on Under-Utilized Plants   | AICRP (ICAR)                | 1996                  | Continued | Research  |
| 2       | Development of region specific integrated agronomi predictive models  | Department of Science and Technology, GOI  | DST                         | 2005                  | Continued | Daily Agroadvisory services for the farmers and their dissemination |
| 3       | Efficacy testing of different formulations  | Dow Agro Science India Pvt. Limited, Mumbai  | Private Limited             | 2015                  | Continued | Efficacy Testing/ Research and Training                             |
| 4       | Management of genetic resources of mandate fruit crops, crop improvement and reduction in post harvest losses | ICAR – Central Institute for Subtropical Horticulture, Rahmankhera, Post-Kakori, Lucknow | ICAR                        | 2018                  | Continued | Research, Training and Academic collaboration                       |
| 5       | To explore the area of research of mutual   | ICAR- National Bureau of Agriculturally Important  | ICAR                        | 2019                  | Continued | Research, Training and  |

|    |   |  |                             |               |           |                                  |                        |
|----|---|--|-----------------------------|---------------|-----------|----------------------------------|------------------------|
|    | interest & making research through sharing/exchange germplasm/ microbial genetic resources  | Microorganism, Kusmour, Mau Nath Bhanjan, U.P.   |                             |               |           |                                  | Academic collaboration |
| 6  | Management of genetic resources of Horticultural crops, crop improvement through breeding, technology transfer and evaluation of socioeconomic impact | ICAR – National Research Center on Litchi, Mushari, Mujaffarpur (Bihar) and ANDUAT, Kumarganj, Ayodhya | ICAR                        | 2019          | Continued | Research, Training and Extension |                        |
| 7  | Investigation of Plant Growth Promotion activity. Assessment of disease incidence and comparative study of bio formulation                            | CSIR – National Botanical Research Institute Rana Pratap Marg, Lucknow                                 | CSIR                        | 2019          | Continued | Research, Training and           |                        |
| 8  | Collaborating academic program, research, entrepreneurship and training in various fields of common interest.   | Paranjali Bio Research Institute Private Limited, Haridwar, Uttara khand                               | Private Limited             | 2019          | Continued | Research and training            |                        |
| 9  | ICAR research institutes collaboration with Host Institutions for AICRP/ revolving fund any other scheme sanctioned by ICAR                           | Umbrella Memorandum of Understanding Between ICAR, New Delhi, and Host Institutions                    | ICAR                        | 2019 and 2021 | Continued | Research                         |                        |
| 10 | Climate Smart Management Practices  | International Rice Research Institute (IRRI), Manila, Philippines                                      | (IRRI), Manila, Philippines | 2019          | 4 Months  | Research                         |                        |
| 11 | Promotion of inter-   | ICAR-National Research   | ICAR                        | 2019          | Continued | Academic                         |                        |



|    |   |  |                 |      |           |   |                                      |
|----|---|--|-----------------|------|-----------|---|--------------------------------------|
|    | institutional research collaboration, staff and student training/ post-graduate research                            | Centre on Equines, Hisar   |                 |      |           |   | collaboration, Research and Training |
| 12 | To empower budding veterinarian in veterinary vaccine therapeutic and nutritional research                          | Hester Biosciences Limited, Ahmedabad  | Private Limited | 2019 | Continued | Research and Training                         |                                      |
| 13 | MOU between NDUAT and Medha Learning Foundation   | Medha Learning Foundation, Lucknow   | Medha and NDUAT | 2019 | Continued | Academic collaboration and Training           |                                      |
| 14 | Research on wheat, rice and fish  | UP Council of Agricultural Research (UPCAR), Lucknow                         | UPCAR           | 2020 | 03 years  | Research                                      |                                      |
| 15 | Solution for straw management to prevent crop residues burning and environmental care                               | CNH Industrial (India) Private limited, New Delhi                            | Private Limited | 2020 | Continued | Preventing crop residue burning               |                                      |
| 16 | Relevant agronomist advisory for the stress crops/livestocks  | Indian Meteorological Department, ministry of Earth Sciences, GOI, New Delhi | IMD             | 2020 | Continued | Gramin Krishi Mausam Sewa                     |                                      |
| 17 | Studies on animal health production and Research in veterinary sciences and animal husbandry                        | ICAR-Indian Veterinary Research Institute, Izatnagar, UP                     | IVRI and ANDUAT | 2020 | Continued | Academic collaboration, Research and Training |                                      |
| 18 | Imparting equine specific training to students, veterinary paraprofessional, local service provider to equine owner | Brooke Hospital for Animal (India) Preet Vihar, Delhi                        | Private Limited | 2020 | Continued | Research and Extension                        |                                      |
| 19 | Accelerated Genetic   | International Rice   | (IRRI), Manila, | 2020 | 3 Years   | Research                                      |                                      |

|    |   |   |                 |      |           |   |  |
|----|---|---|-----------------|------|-----------|---|--|
|    | Gain in Rice (AGGRI-Alliance)- Marginal Environment (ME)_ Non Stress & Submergence  | Research Institute (IRRI), Manila, Philippines                                      | Philippines     |      |           |   |  |
| 20 | To accelerate, expand and achieve the National mission and aspiration in the area of smart farming technology through training, skill development and capacity building programs. | Madan Mohan Malaviya University of Technology (MMUT), Gorakhpur                     | GOI             | 2020 | 5 Years   | Academic collaboration, R&D, Training       |  |
| 21 | Genetic improvement of Kalanamak for productivity traits, biotic and abiotic stress tolerance, aroma and nutritional quality.   | U.P. Council of Agricultural Research and ANDUAT, Kumarganj, Ayodhya                | UPCAR           | 2020 | 3 Year    | Academic collaboration and Research         |  |
| 22 | Research and development on various aspects of animal health care   | Smart Grid Private Limited River view, Ashram Road Navrangpura, Ahmedabad (Gujarat) | Private Limited | 2021 | Continued | Research and animal health care             |  |
| 23 | Academic collaboration /postgraduate student's research   | ICAR -Indian Institute of Seed Science, Kushinaur MAU - U.P.                        | ICAR            | 2021 | Continued | Training and Research                       |  |
| 24 | Student's training and post graduate research   | ICAR-Research Complex for Eastern Region Patna-800014 (BIHAR) India                 | ICAR            | 2021 | Continued | Training and Research                       |  |
| 25 | Basic and strategic research for cattle production management   | ICAR-Central Institute for Research on Cattle Grass Farm Road, Meerut Cantt-        | ICAR            | 2021 | Continued | Cooperation in academic and cattle research |  |



|    |  |   |                             |      |           |   |  |
|----|--|---|-----------------------------|------|-----------|---|--|
|    | and cooperation in academic field  | 250001 (MEERUT) (UP)  |                             |      |           |   |  |
| 26 | Education. Training and research on cold water fish  | Directorate of cold water fisheries research. Bhimtal, Nainital. Uttara khand | ICAR                        | 2021 | Continued | Training and Research                                 |  |
| 27 | To update district based agricultural contingency plan (DACPs) for agriculture and allied sector during extreme weather condition. | ICAR-Central Research Institute for Dryland Agriculture, Hyderabad            | ICAR                        | 2021 | Continued | Sustainable agriculture under climate change scenario |  |
| 28 | Acceleration genetic gain in rice: (AGGRI): IRRI-NARES breeding networks   | International Rice Research Institute, Manila, Philippines                    | (IRRI), Manila, Philippines | 2021 | 6 Months  | Research and Training                                 |  |
| 29 |  |   |                             |      |           |   |  |