



YEARLY STATUS REPORT - 2020-2021

Part A

Data of the Institution

1.Name of the Institution		INDIAN AGRICULTURAL RESEARCH INSTITUTE
• Name of the Head of the institution		DR. ASHOK KUMAR SINGH
• Designation		DIRECTOR
• Does the institution function from its own campus?		Yes
• Phone no./Alternate phone no.		01125842367
• Mobile no		9899045037
• Registered e-mail		director@iari.res.in
• Alternate e-mail address		
• City/Town		NEW DELHI
• State/UT		DELHI
• Pin Code		110012
2.Institutional status		
• University		Deemed
• Type of Institution		Co-education
• Location		Urban

• Name of the IQAC Co-ordinator/Director	DR. ANIL DAHUJA
• Phone no./Alternate phone no	01125842367
• Mobile	9818379701
• IQAC e-mail address	iqacell@iari.res.in and iqac.iari23@gmail.com
• Alternate Email address	ad_bio@yahoo.com
3.Website address (Web link of the AQAR (Previous Academic Year)	https://www.iari.res.in/files/Latest-News/AQAR_REPORT_2019-20.pdf
4.Whether Academic Calendar prepared during the year?	Yes
• if yes, whether it is uploaded in the Institutional website Web link:	https://iari.auams.in/Data/NewsUpdateUploads/f0971c3f-a7fa-4574-ba6b-58c19c2b1c9f_Revised-Academic%20Calendar%20(Semester%20wise)%202020-21.pdf

5.Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	A+	3.51	2016	16/09/2016	15/09/2021
Cycle 2	A	3.16	2023	15/12/2023	14/12/2028

6.Date of Establishment of IQAC

11/05/2017

7.Provide the list of Special Status conferred by Central/ State Government-UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

Institution/ Department/Faculty	Scheme	Funding agency	Year of award with duration	Amount
Division of Agricultural Economics	Center of Advanced Faculty Training (CAFT)	ICAR	1995 9855	851126
Division of Plant Pathology	National Referral Lab for Virus Diagnosis	ICAR	2004 6570	2450000
Division of Plant Pathology	Centre of Advanced Faculty Training (CAFT)	ICAR	1995 9855	674215
Division of Biochemistry	Niche Area of Excellence	ICAR	2019 730	19344000
Division of Soil Science and Agricultural Chemistry	Niche Area of Excellence (Risk Assessment of metals and metalloids in water, soil plant continuum under basmati rice growing areas of Northern India)	ICAR	2019 730	17761000
Division of Agricultural Chemicals	Niche Area of Excellence on Formulation and Analysis Centre	ICAR	2019 730	685000

	(NAEFAC)			
Division of Agricultural Extension	Centre of Advanced Faculty Training (CAFT)	ICAR	1995 9855	922113
ZTM &BPD Unit, IARI	IP SPECTRA (Intellectual Property Facilitation Center)	Ministry of MSME	2019 730	1050727
ZTM &BPD Unit, IARI	Pusa Krishi Incubator as Knowledge partner in RKVY -RAFTAR scheme	Ministry of Agriculture & Farmers Welfare, GoI	2019 730	4500000
ZTM &BPD Unit, IARI	ABIC	ICAR	2019 730	3300000
Division of Biochemistry	Center of Advanced Faculty Training (CAFT)	ICAR	1995 9855	851126

8. Whether composition of IQAC as per latest NAAC guidelines	Yes	
<ul style="list-style-type: none"> • Upload latest notification of formation of IQAC 	View File	
9.No. of IQAC meetings held during the year	2	
<ul style="list-style-type: none"> • The minutes of IQAC meeting and compliance to the decisions have been uploaded on the institutional website. (Please upload, minutes of meetings and action taken report) 	Yes	
<ul style="list-style-type: none"> • (Please upload, minutes of meetings and 	View File	

action taken report)		
10. Whether IQAC received funding from any of the funding agency to support its activities during the year?	No	
• If yes, mention the amount	Not Applicable	
11. Significant contributions made by IQAC during the current year (maximum five bullets)		
Strengthening of the Post Graduate Faculty of IARI to provide quality teaching and research guidance to the students; 52 new faculty members from IARI and its outreach centres were inducted in the PG faculty while 63 were recognized as Research Guides.		
Revision of Guidelines for the award of IARI Merit medals to promote research excellence and entrepreneurship culture amongst IARI students.		
Strategies and Mechanisms were developed and implemented for conducting all academic activities in the online mode in the wake of covid-19 situation and PG online Management system was successfully upgraded to ingrain new provisions.		
Switching over from Trimester to Semester System as per the guidelines of UGC for the implementation of Choice Based Credit System in letter and spirit.		
Promoting Inter-disciplinary Research in frontier areas, Entrepreneurship culture and Public-Private Partnerships and capacity building of scientists in the cutting edge research areas.		
12. Plan of action chalked out by the IQAC in the beginning of the Academic year towards Quality Enhancement and the outcome achieved by the end of the Academic year		
Plan of Action	Achievements/Outcomes	
Strengthening of the Post Graduate Faculty of IARI to provide quality teaching and research guidance to the students	52 new faculty members from IARI and its outreach centres were inducted in the PG faculty while 63 were recognized as Research Guides.	
Revision of Guidelines for the award of IARI Merit medals to promote research excellence and entrepreneurship culture amongst IARI students.	The guidelines were revised and weightage of the research papers published/ patents submitted/process developed/technologies	

	commercialized etc was increased to promote research excellence and entrepreneurship culture
Developing Strategies and Mechanisms were developed and implemented for conducting all academic activities in the online mode in the wake of covid-19 situation.	Mechanisms were successfully developed and implemented for the online teaching of courses, conduct of examinations, academic meetings, Viva voce examinations, Credit Seminars, ORW presentations, thesis seminars, Thesis submission and evaluation.
Switching over from Trimester to Semester System and Revision and adoption of Course Curricula for the Semester System	Successfully implemented and Notification issued: No. PGS-I/1-413/AC/2020 Dated: 13.08.2020. Course Curricula revised as per the demands of the Semester System.
Promoting Inter-disciplinary Research in frontier areas, Entrepreneurship culture and Public-Private Partnerships.	The activities inclined towards Inter-disciplinary Research, Entrepreneurship and Public-Private Partnerships were introduced in the inhouse research projects of the institute and thesis research problems of the students.
Encouraging scientists to bring in more externally funded projects in the institute and publish their research findings in high impact factor peer-reviewed journals.	The number of ongoing externally projects, having a budget of 200 crores, was increased to 208. The students and scientists of the institute published 539 research papers in peer-reviewed journals with a international impact factor.
13. Whether the AQAR was placed before statutory body?	Yes
<ul style="list-style-type: none"> Name of the statutory body 	

Name	Date of meeting(s)
Academic Council	12/02/2021

14. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to Assess the functioning?

Yes

15. Whether institutional data submitted to AISHE

Year	Date of Submission
2020-21	05/04/2020

16. Multidisciplinary / interdisciplinary

IARI is a multidisciplinary university having Research, Teaching and Extension as its three prime mandates. The activities pertaining to these aforementioned domains are spread across twenty six (26) Disciplines. The utmost aim of IARI is to develop intellectual, emotional, social, physical, and moral capacities of students in an integrated manner. To achieve this purpose, the teaching activities in the 26 disciplines are solely based on the Choice Based Credit System (CBCS), which provides flexibility to the students to choose from the wide range of courses (core, elective, minor and soft skill courses) offered in different disciplines. Students usually take creative combination of courses based on their interests, research requirements and life's ambition and purpose. The research work carried out by the students for their Master's or Doctoral degree programmes are truly interdisciplinary in nature and faculty members from the Major, Minor, Supporting and Other relevant disciplines are members of the student's research advisory committee. The faculty members from different disciplines are involved in the teaching of many of the employment-oriented, entrepreneurship-based vocational courses offered in different disciplines to provide the students deeper insights, comprehensive understanding of the subject as well as the job-based skill and competencies needed in the industries. The learning outcomes of all the courses and predefined as students are assessed in the light of these LOs during and after the completion of course. Besides, credit seminars from the major and minor disciplines are an intergral part of the students' course curriculum, which provides them the opportunity to gain knowledge across the disciplines as interdisciplinarity nature of the topic is one of the major parameters during selection of the topics to be given to the students for the credit seminars. During their degree program, visits of the students are organized to different institutes, industries, farmer's fields under various courses as

well as during their study tour, which offer them perfect opportunity to gain multi-disciplinary knowledge. Also, it is a constant endeavour of the institute to organize debates and discussions on the burning issues, which necessitates broader perspectives and acquisition of critical thinking, analytical ability, problem-solving attitude, communication skills and the multidisciplinary knowledge by the students in order to participate and perform effectively and efficiently in the competition. Once the Academic Bank of Credits gets fully implemented in the institute, the Multidisciplinary education would be strengthened further. The employment record of IARI students and excellent performance of IARI alumni at their job place is a testimony to holistic knowledge imparted to the IARIans.

17. Academic bank of credits (ABC):

As per the recommendations of the NEP- 2020, for the safe storage and easy access to and retrieval of the students' degree certificates and for the guarantee and validity of the authenticity of these certificates, IARI has registered on the National Academic Depository - Digital locker system. Besides, IARI has registered on the Academic Bank of Credits (ABC) Portal so that Digital Locker can be linked to it easily. The institute is in the process of amendments in rules and regulations as per the ABC under which students seeking admission to IARI via transfer of credits. The nitty-gritties and strategies for the implementation of multiple-entry and multiple-exit are being worked out at various levels so that requisite amendments could be carried out in the extant rules and regulations. The students and faculty members have been sensitized about the various aspects and prospects of ABC system through organization of lectures, debates and discussion. The students are being made aware about the benefits of the ABC; how it will provide them the much-needed flexibility and option to choose their own path and pace of learning, how under unforeseen emergency conditions they would be able to leave a program temporarily without losing their credits or progress and retaining the option to return to their studies at a later time when they are ready. The students are being encouraged to open their Academic Bank Account on ABC to avail different benefits which would enable them to acquire need-specific skills and knowledge as per the changing demands of the employers.

18. Skill development:

Being an agriculture-based institute, the students admitted at IARI are mainly from the village background. To improve their social and financial status, making them industry-fit is of paramount importance. However, job market landscape all over the world,

including India, has become highly competitive and is ever-evolving. To survive, thrive and keeping oneself relevant in this fast-paced and ultra-competitive world, the significance of skill development cannot be overstated. Imparting and sharpening different levels of skills (Technical, Entrepreneurial, Soft, Problem-solving, Creatives etc) to the students is one of the major focus of IARI. To achieve this all-important objective following practices are religiously followed at IARI: 1) Majority of the courses offered at IARI has practical component in it and each discipline is offering at least one value added/employment-oriented course; during 2020-21, 108 such courses were offered. 2) The visits of the students are organized to various industries and farm fields to provide them experiential learning. 3) The research projects undertaken by the PG and Ph.D. students for their thesis work are having both basic, applied and social relevant. 4) The students are also actively participating in the Mera Gaon Mera Gaurav (MGMG) Programme of the GoI being run at IARI. 5) Many students of IARI are recipient of Prime Minister's Fellowship for Doctoral research- which is a Public-Private Partnership initiative of SERB, GoI and Confederation of Indian Industries (CII)- which gives them opportunity to do industry relevant research. 6) A Zonal Technology Management and Business Planning and Development (ZTM-BPD) unit has been established at IARI with an aim to translate research into prosperity. the major functions of this unit are protection of innovations, Commercialization of technologies to Agro Industry, Providing incubation support to agripreneurs /start-ups, Capacity building of agripreneurs, Networking of mentors, resource persons, financial institutions, service providers, agri-professionals, agripreneurs and scientific community, Collaboration with industry through consultancy, contract research, contract service etc. under Public Private Partnership mode 7) The study tour of students are organized every year, wherein they visit different institutes, farms and industries to gain exposure and experience needed to make them job-ready and employable. 8) Debates on issues of National importance are organized regularly to improve leadership and soft skill of the students. 9) There are compulsory courses on ethics, values and social issues, which each student has to undertake to improve their life skills. 10) Credit seminars are an integral part of course curriculum, the topic given to the students are such that they improve their creative and problem solving skills.

19. Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course)

One of the Major endeavours of IARI is to develop well-rounded

individuals, who are deeply connected with their roots and take legitimate pride in their culture heritage and are inclined towards its preservation. To achieve this objective, IARI is making all-out efforts to infuse Indian Knowledge system (IKS) into its extant education system, Some of the practices which are currently being followed are highlighted below: 1) the students are encouraged to take up their thesis research projects in the areas which tend to explore benefits of traditional farming practices and scientific bases for the same. 2) The visits of the students are organized to the fields of the farmers who are following environmental-friendly and resource-efficient farming practices. 3) Such farmers are invited to institute to share their experience and knowledge with the students. 4) The scientific basis of some of the exceptional qualities (Nutritional richness, stress tolerance, resource use efficiency) of wild genotypes are taught to the students. 5) The Course curricula at IARI is cultural responsive. There are many Disciplines e.g. Agronomy offering courses on traditional Indian Knowledge system, wherein students are made aware of inherent richness and wisdom imbedded in the IKS. There is one compulsory course entitled, "History of Agriculture" where these aspects are taught at length. 6) The teachers are being encouraged to imbibe and practice "GuruKula" methods of teaching for strengthening Teacher-Taught and Mentor-Mentee relationships and for creating more engaging and immersive environment in the classrooms. 7) The Institute has initiated a unique online program 'Pusa Samachar' on YouTube in several Indian languages e.g. Hindi, Telugu, Kannada, Tamil, Bangla, and Odiya apart from Hindi for apprise the Indian farmers about the institute, technologies, nuances advisory on critical aspects of crop husbandry, plant protection and general diagnosis and remedy of problems 8) Teachers are making more and more use of Hindi language during their lectures. 9) Many students are working on deciphering the wealth of Ayurveda in their research projects. 10) IARI promotes interdisciplinary learning that harmonizes modern and traditional knowledge systems.

20.Focus on Outcome based education (OBE):Focus on Outcome based education (OBE):

The major emphasis of IARI is the holistic development of students so as to enable them to meet the demands and challenges of 21st century. For this purpose, institute follows BSMA approved Course Curricula of ICAR, which has predefined objectives and outcomes for each course and program. The backbone of our course curricula is its inherent Choice Based Credits System, which imparts great deal of objectivity, direction, flexibility and scope for skill development to the students. The course content of each course is dynamic and revised as per the demands of various stakeholders and

the society. We strive hard to meet the growing and ever-changing demands and expectations of all stakeholders. viz students, parents, alumni, faculty members, and employers. The Board of Studies (BoS) in each discipline, ensures that institute prescribed teaching-learning pedagogical tools and assessment methods are effectively used in their respective disciplines for successful attainment of the learning outcomes. The continuous internal evaluation of the students is practiced through assignments, quizzes, term paper presentations, seminars, brainstorming sessions, debates and discussions. These exercises are designed in such a way that they foster an environment where skills acquired by the students get automatically evaluated. The institute is making all-out efforts to develop learning outcomes-based curriculum framework (LOCF) for each programme as per the prescribed UGC 2018 guidelines. The institute places a greater emphasis on the holistic development of students by providing them wide range of opportunities for experiential learning, discussion-based learning, field-based learning involving visits to industrial units, research labs and other institutes and flipped classroom etc. The capacity building of the faculty members in OBE is done regularly.

21.Distance education/online education:

During post covid-19 period, since students were unable to join the campus physically, most of the academic activities including classes, Credit seminars viva voce examinations and theory and practical exams were conducted in the online mode using Microsoft Team and Zoom App. The faculty members of the institute exhibited unparalleled zeal, commitment, enthusiasm to learn new teaching tools effectively and use them efficiently to impart requisite knowledge to the students. Invited lectures from many renowned personalities, from India and abroad, were organized for the benefit of students. Teachers video recorded their lectures and shared with the students. Quizzes were conducted using Google Forms. The faculty members were acquainted with concept of Massive Open Online Courses (MOOCs) and made aware about their usefulness especially under unforeseen circumstances, as created by Covid-19. The Institute has its own Post Graduate Management System for administration and management of various students related academic activities. This system was appropriately upgraded to meet the new demands emerging out of emergency situation. Submission and evaluation of students' thesis were made online.

Extended Profile

1.Programme

1.1 54

Number of programmes offered during the year:

File Description	Documents
Data Template	View File

1.2 26

Number of departments offering academic programmes

2.Student

2.1 476

Number of students during the year

File Description	Documents
Data Template	View File

2.2 252

Number of outgoing / final year students during the year:

File Description	Documents
Data Template	View File

2.3 252

Number of students appeared in the University examination during the year

File Description	Documents
Data Template	View File

2.4 0

Number of revaluation applications during the year

3.Academic

3.1 1327

Number of courses in all Programmes during the year

File Description	Documents
Data Template	View File

3.2 506

Number of full time teachers during the year

File Description	Documents
Data Template	View File

3.3 578

Number of sanctioned posts during the year

File Description	Documents
Data Template	View File

4. Institution

4.1 1,23,158

Number of eligible applications received for admissions to all the Programmes during the year

File Description	Documents
Data Template	View File

4.2 288

Number of seats earmarked for reserved category as per GOI/ State Govt. rule during the year

Extended Profile

1.Programme	
1.1	54
Number of programmes offered during the year:	
File Description	Documents
Data Template	View File
1.2	26
Number of departments offering academic programmes	
2.Student	
2.1	476
Number of students during the year	
File Description	Documents
Data Template	View File
2.2	252
Number of outgoing / final year students during the year:	
File Description	Documents
Data Template	View File
2.3	252
Number of students appeared in the University examination during the year	
File Description	Documents
Data Template	View File
2.4	0
Number of revaluation applications during the year	
3.Academic	
3.1	1327

Number of courses in all Programmes during the year						
<table border="1"> <tr> <th>File Description</th> <th>Documents</th> </tr> <tr> <td>Data Template</td> <td>View File</td> </tr> </table>			File Description	Documents	Data Template	View File
File Description	Documents					
Data Template	View File					
3.2	Number of full time teachers during the year	506				
<table border="1"> <tr> <th>File Description</th> <th>Documents</th> </tr> <tr> <td>Data Template</td> <td>View File</td> </tr> </table>			File Description	Documents	Data Template	View File
File Description	Documents					
Data Template	View File					
3.3	Number of sanctioned posts during the year	578				
<table border="1"> <tr> <th>File Description</th> <th>Documents</th> </tr> <tr> <td>Data Template</td> <td>View File</td> </tr> </table>			File Description	Documents	Data Template	View File
File Description	Documents					
Data Template	View File					
4.Institution						
4.1	Number of eligible applications received for admissions to all the Programmes during the year	1,23,158				
<table border="1"> <tr> <th>File Description</th> <th>Documents</th> </tr> <tr> <td>Data Template</td> <td>View File</td> </tr> </table>			File Description	Documents	Data Template	View File
File Description	Documents					
Data Template	View File					
4.2	Number of seats earmarked for reserved category as per GOI/ State Govt. rule during the year	288				
<table border="1"> <tr> <th>File Description</th> <th>Documents</th> </tr> <tr> <td>Data Template</td> <td>View File</td> </tr> </table>			File Description	Documents	Data Template	View File
File Description	Documents					
Data Template	View File					
4.3	Total number of classrooms and seminar halls	50				
4.4	Total number of computers in the campus for academic purpose	1989				

4.5	156,559,169
Total expenditure excluding salary during the year (INR in lakhs)	

Part B

CURRICULAR ASPECTS

1.1 - Curriculum Design and Development

1.1.1 - Curricula developed and implemented have relevance to the local, national, regional and global developmental needs which is reflected in Programme outcomes (POs), Programme Specific Outcomes(PSOs) and Course Outcomes(COs) of the Programmes offered by the University

The institute introduced new course curricula for Post Graduate and Ph.D. degree programs to accustom the students to the advanced agricultural education and research innovations which helps the larger interest to the national and global developmental needs (few are highlighted on page Nos. 34,35,37,38 etc.). As per recommendations of the National Education Policy-2020, the courses have been revised and new courses inducted. In the year 2020-21, IARI opted semester system in place of trimester system which was existed. The course curricula align with New and Restructured Post-Graduate curricula & syllabi, Education Division, Indian Council of Agricultural Research, New Delhi 2009 and later based on Broad Subject Matter Area (BSMA)-2021 for the Post Graduate programs. It gives a comprehensive listing of course curricula offered by various disciplines, updated in line with approved amendments by the Academic Council. By following the spirit of Choice Based Credit System (CBCS), students are given opportunities to select the courses to support their planned research activities, to register for online courses and to pursue internship for development of entrepreneurship during Masters' programme. Further, the Teaching Assistantship has been introduced to provide experience to the Ph.D. scholars on teaching, evaluation and other related academic matters.

File Description	Documents
Upload relevant supporting document	View File

1.1.2 - Number of Programmes where syllabus revision was carried out during the year

52

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

1.1.3 - Total number of courses having focus on employability/ entrepreneurship/ skill development offered by the University during the year

1.1.3.1 - Number of courses having focus on employability/ entrepreneurship/ skill development during the year

31

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

1.2 - Academic Flexibility

1.2.1 - Number of new courses introduced of the total number of courses across all programs offered during the year

99

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

1.2.2 - Number of Programmes in which Choice Based Credit System (CBCS)/elective course system has been implemented during the year

52

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

1.3 - Curriculum Enrichment

1.3.1 - Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum

Institute integrates Cross-cutting issues of the society like Moral Values, Human Values, Professional Ethics, Ethical Values Gender Equality, Environmental Awareness, which are inseparable part of our curriculum.

Moral Values, Human Values & Professional Ethics: A compulsory course on Agricultural research, research ethics is taught to students.

Gender Sensitization and equality: A course on "Gender Mainstreaming (EXT 510)" is an integral part of Course curriculum. Institute has Women Grievance Cell and Grievance Redressal Cell to address and promote issue related to gender equity among staff and students. It deals with related issues of safety and security of female students, staff and faculty. There are separate Boys & Girls hostel (In-campus) for providing the safe environment to all students. Gender Advancement for Transforming Institutions (GATI) has been adopted by IARI.

Environment & Ecology: The discipline of Environmental Science offers several courses related to environmental pollution and its prevention, environmental impact assessment, environmental microbiology, toxicology, climate change etc. Institute has invested in ground water recharging system, solar electricity generation and STP. Institute celebrates days related to environmental importance like Earth day, Environment day and Ozone day. Workshop/ seminars on Environment & Ecology are organized to spread awareness about the importance of environment.

File Description	Documents
Upload relevant supporting document	View File

1.3.2 - Number of value-added courses for imparting transferable and life skills offered during the year

78

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

1.3.3 - Total number of students enrolled in the courses under 1.3.2 above

1.3.3.1 - Number of students enrolled in value-added courses imparting transferable and life skills offered during the year

1036

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

1.3.4 - Number of students undertaking field projects / research projects / internships during the year

252

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

1.4 - Feedback System**1.4.1 - Structured feedback for design and review of syllabus – semester wise / is received from Students Teachers Employers Alumni**

- Any 2 of the above

File Description	Documents
Upload relevant supporting document	View File

1.4.2 - Feedback processes of the institution may be classified as follows

- Feedback collected, analysed and action taken and feedback available on website

File Description	Documents
Upload relevant supporting document	View File

TEACHING-LEARNING AND EVALUATION**2.1 - Student Enrollment and Profile****2.1.1 - Demand Ratio**

2.1.1.1 - Number of seats available during the year

1) M.Sc.: 238 2) Ph.D.: 243

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

2.1.2 - Total number of seats filled against reserved categories (SC, ST, OBC, Divyangjan, etc.) as per applicable reservation policy during the year (Excluding Supernumerary Seats)**2.1.2.1 - Number of actual students admitted from the reserved categories during the year**

Total 373 students (SC: 64; ST: 32; OBC: 199; Others: 78)

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

2.2 - Catering to Student Diversity

2.2.1 - The institution assesses the learning levels of the students and organises special Programmes for advanced learners and slow learners

The institute has a robust in-built mechanism for continuous monitoring of the students; regular quizzes, term-paper presentations and mid-term examinations are held in each course and assignments given. The performance of students in these auxiliary teaching activities segregates the slow learners from advanced learners. Once identified, the slow learners are given extra attention, time and study material by the course instructors. Besides, heterogenous groups, comprising of advanced and slow learners, are made in each course for various group activities intended for peer-learning. Advanced learners are requested to help out slow learners in every aspect. This practice is beneficial to both the categories of the students as it clarifies the doubts of the slow learners and provides deeper insights to the advanced learners. Further, all faculty members conduct a quiz in the introductory class to assess the levels of students and their different teaching requirements. The faculty members cover the required fundamental aspects in their initial classes to bring student population to the similar level. Students with difficulties in English are asked to take special English courses offered by the institute. The institute offers remedial

courses to the students who have not previously done any course related to Agriculture.

File Description	Documents
Upload relevant supporting document	View File
Link For Additional Information	Nil

2.2.2 - Student - Full time teacher ratio during the year

Number of Students	Number of Teachers
476	503

File Description	Documents
Upload relevant supporting document	View File

2.3 - Teaching- Learning Process

2.3.1 - Student centric methods, such as experiential learning, participative learning and problem-solving methodologies are used for enhancing learning experiences

The motto of the IARI is to generate globally-competent human resource, who are job provider rather than job-seekers. The students are, therefore, engaged in various field and laboratory exercises, wherein they are exposed to real-life problems and expected to encounter novel and unfamiliar situations that support new learnings and experiences. The purpose of such exercises is to engage them intellectually, creatively, emotionally and socially in a task to gain insights. In the brainstorming sessions following these exercises, students critically reflect the results of the case studies and design possible strategies to address the problems encountered. Students are provided sufficient opportunities to take new initiatives, make their own decisions and be accountable for the results. Further, the scientists of IARI are spearheading "Mera Gaon Mera Gaurav (MGMG)" program under which they adopt a cluster of five villages for the hand-holding of the farmers. These MGMG teams mandatorily visit these adopted villages for the demonstration of their technologies for the benefit of the farmers. The students also participate in this activity to acquire knowledge about the lab-to-land transfer of technologies and to gain in-field training. Besides, students are supported to present their research findings in various symposia, conferences and

workshops .

File Description	Documents
Upload relevant supporting document	View File

2.3.2 - Teachers use ICT enabled tools including online resources for effective teaching and learning processes during the year

The institute follows ICT enabled teaching in addition to the traditional classroom education. There is an Agricultural Knowledge Management Unit (AKMU), which is involved in hosting and maintenance of e-resources and developing ICT in agricultural research. All the classrooms and laboratories in different Divisions are well equipped with modern ICT-tools. The IARI library is a constituent of Consortium for e-Resources in Agriculture (CeRA), which provides online accesses of select journals and e-books. The faculty members are routinely using online teaching platforms such as Zoom/Google Meet/Microsoft teams for conducting classes, seminars, academic meetings and viva-voce examinations. Most of the divisions have smart classrooms with high-end LCD projectors along with interactive boards and high-resolution cameras. The PGS online management system of the institute enables online execution of majority of the teaching related activities. The institute gives due weightage to the use and development of innovative online teaching methods in various award applications. The institute has its own You tube channel on which education is provided in different languages on weekly basis. Various social media platforms are also used for dissemination of information and knowledge. The faculty of IARI is also involved in the development of Massive Open Online Courses (MOOCs) .

File Description	Documents
Upload relevant supporting document	View File

2.3.3 - Ratio of students to mentor for academic and other related issues during the year

2.3.3.1 - Number of mentors

402

File Description	Documents
Upload relevant supporting document	View File

2.4 - Teacher Profile and Quality

2.4.1 - Total Number of full time teachers against sanctioned posts during the year

503

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

2.4.2 - Total Number of full time teachers with Ph.D./D.M/M.Ch./D.N.B Superspeciality/D.Sc./D’Lit. during the year

486

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	No File Uploaded

2.4.3 - Total teaching experience of full time teachers in the same institution during the year

2.4.3.1 - Total experience of full-time teachers

6994

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	No File Uploaded

2.4.4 - Total number of full time teachers who received awards, recognition, fellowships at State, National, International level from Government/Govt. recognised bodies during the year

46

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

2.5 - Evaluation Process and Reforms

2.5.1 - Number of days from the date of last semester-end/ year- end examination till the declaration of results during the year

Nil

2.5.1.1 - Number of days from the date of last semester-end/ year- end examination till the declaration of results year wise during the year

08

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

2.5.2 - Total number of student complaints/grievances about evaluation against total number appeared in the examinations during the year

0

File Description	Documents
Upload relevant supporting document	No File Uploaded

2.5.3 - IT integration and reforms in the examination procedures and processes (continuous internal assessment and end-semester assessment) have brought in considerable improvement in examination management system of the institution

The development of PGS online management system at IARI has clearly made examination process more efficient and effective leaving more time at the disposal of students and faculty members to focus on knowledge enrichment and skill development. Furthermore, IT integration has brought in more accountability and transparency resulting in more students' satisfaction. Currently, the students are using following online facilities: registration of approved courses, submission of PPW and ORW of thesis research work, payment of fees, viewing the results of various examinations, submitting proposals for qualifying viva voce examination, thesis submission and for addition/deletion in their Advisory Committee. The credit seminars, ORW presentations, thesis seminar presentations, Qualifying viva voce examinations, thesis viva-voce examinations of students, and BOS meetings are held on the online platforms. Google forms are being used for the purpose of conducting various quizzes and surveys. The integration of IT has also enabled error-free computation of course grades and OGPA. Semester-wise examination schedule is circulated amongst all the

concerned in the online mode. The results of the various examinations are also submitted online by the respective course leaders, which has significantly reduced the time gap between generation of the examination result and its access to the students.

File Description	Documents
Upload relevant supporting document	View File

2.5.4 - Status of automation of Examination division along with approved Examination Manual

A. 100% automation of entire division & implementation of Examination Management System (EMS)

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	No File Uploaded

2.6 - Student Performance and Learning Outcomes

2.6.1 - The institution has stated learning outcomes (generic and programme specific)/graduate attributes which are integrated into the assessment process and widely publicized through the website and other documents

IARI has developed a PG School calendar, which contains the information pertaining to programmes offered, programme objectives, programme specific objectives, course structure, and course syllabi. The course syllabus prominently displays the course objectives and course outcomes. All students are apprised of the objectives and expected outcomes of their programme on admission during orientation programme. Research work is an integral component of the IARI degree programme. The outcome of their thesis work in terms of research paper publications and/or development of patents /copyrights /processes /methods /models /technologies carries a significant weightage when eligible students compete for the IARI Merit Medals. The syllabi of these courses are revised as per the needs and requirements of the various stakeholders to ensure that students are job-ready and industry fit. Furthermore, remedial introductory courses on agriculture have been designed for students, who have not been previously exposed to agricultural courses. Besides, there are mandatory compulsory courses to improve students' soft skills, scientific aptitude, research ethics, moral values and social

awareness. These courses are of utmost importance in this era of cut-throat competition that not only enable us to attain our programme objectives but help students to contribute meaningfully towards nation-building.

File Description	Documents
Upload relevant supporting document	View File

2.6.2 - Attainment of Programme outcomes, Programme specific outcomes and course outcomes are evaluated by the institution during the year

The attainment of POs, PSOs and COs is evaluated at various levels; At the end of the semesters the students provide their feedback about each course in a comprehensive evaluation proforma, which is discussed by the Course leader with all the course associates and corrective measures and suggestions communicated to Professor of the Division. Board of Studies evaluates the feedback proforma at the end of each semester/trimester, wherein suggestions made by the students and faculty members are thoroughly discussed and strategies redesigned e.g. addition of new components under selected practical/theory topics, reshuffling of topics amongst the course instructors involved in the teaching of a particular course, inviting Guest lecturers having expertise in specific topics, incorporation of new assignments, arranging field/industrial visits, incorporating term paper presentations and group discussions on recent developments related to the course content. The performance of the students in various examinations including competitive examinations, their participation and achievements in extracurricular, social and/or community activities and quality, ease and diversity of their placement across the sectors is considered as the litmus test for successful attainment of the POs, PSOs and COs, which in turn not only enables the students to acquire requisite skills, expertise and attitude.

File Description	Documents
Upload relevant supporting document	View File

2.6.3 - Number of students passed during the year

2.6.3.1 - Total number of final year students who passed the university examination during the year

242

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	No File Uploaded

2.7 - Student Satisfaction Survey

2.7.1 - Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design its own questionnaire) (results and details need to be provided as a web link)

<https://www.iari.res.in/en/naac-home.php>

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Promotion of Research and Facilities

3.1.1 - The institution Research facilities are frequently updated and there is well defined policy for promotion of research which is uploaded on the institutional website and implemented

The institute has well defined policy for facilitation and promotion of research, publication, training, and protection of IP. These are documented in the documents like (1) ICAR RULES AND GUIDELINES FOR Professional Service Functions (Training, Consultancy, Contract Research and Contract Service) and 2) ICAR Guidelines for Intellectual Property Management and Technology Transfer / Commercialization (Revised 2018) Published by ICAR, Krishi Bhawan, New Delhi. The two documents deal with rules and regulations and process to be followed for taking up contract research, contract services, consultancy research and consultancy services. The policy document also states the process of protection of technologies developed by the scientist and students of the Institute. Prioritization Monitoring Cell is in place which coordinates and facilitates research activities in the Institute. There are a number of laboratories of national importance which house latest equipments and provide analytical services. The list of analysis and their rates are put on the Institute's website for reference and use by the researchers.

File Description	Documents
Upload relevant supporting document	View File

3.1.2 - The institution provides seed money to its teachers for research (amount INR in Lakhs)

2138.68

File Description	Documents
Upload the data template	No File Uploaded
Upload relevant supporting document	View File

3.1.3 - Number of teachers receiving national/ international fellowship/financial support by various agencies for advanced studies/ research during the year

42

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.1.4 - Number of JRFs, SRFs, Post-Doctoral Fellows, Research Associates and other research fellows enrolled in the institution during the year

308

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.1.5 - Institution has the following facilities to support research

Central Instrumentation Centre **Animal House/Green House Museum** **Media laboratory/Studios** **Business Lab** **Research/Statistical Databases** **Moot court** **Theatre** **Art Gallery**

A. Any 4 or more of the above

File Description	Documents
Upload relevant supporting document	View File

3.1.6 - Number of departments with UGC-SAP, CAS, DST-FIST, DBT, ICSSR and other recognitions by national and international agencies during the year

7

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.2 - Resource Mobilization for Research

3.2.1 - Extramural funding for Research (Grants sponsored by the non-government sources such as industry, corporate houses, international bodies for research projects) endowments, Chairs in the University during the year (INR in Lakhs)

4120.42

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.2.2 - Grants for research projects sponsored by the government agencies during the year (INR in Lakhs)

32386.61

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.2.3 - Number of research projects per teacher funded by government and non-government agencies during the year

0.5

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.3 - Innovation Ecosystem

3.3.1 - Institution has created an eco-system for innovations including Incubation centre and other initiatives for creation and transfer of knowledge

Pusa Krishi's commitment to fostering innovation in agricultural

sector is exemplified through its special incubations programs and the newly established Incubation Centre with innovative labs for ground-breaking research and co-working space to fuel entrepreneurship spirit with like-minded agripreneurs. With three distinct labs - PHT, Bioinformatics, and Fab Labs - Pusa Krishi provides startups with opportunities to explore and learn. MoU has been signed for office space with 8 startups.

We are committed to enhancing capabilities of other incubators and supporting agri startups under the RKVY-RAFTAAR scheme through our incubation programs - UPJA & ARISE. Additionally, SHITIJ (DST) and BEEJ empowers young entrepreneurs and early-stage startups to ideate, develop, and scale their ideas.

We have nurtured about 258 startups and empowered 152 of these startups, fostering innovation and job creation. Our efforts have resulted in the generation of 19,394 direct employment opportunities. Moreover, these startups have collectively generated a substantial revenue of 255.7 crore. MoU's signed with SBI, IIT Kanpur, and Social Alpha for facilitating funding support for startups.

The Agri India Meet, our annual event, brings together key stakeholders from the agricultural ecosystem to exchange ideas, explore collaborations, and stay abreast of the latest trends and innovations in the field.

File Description	Documents
Upload relevant supporting document	View File

3.3.2 - Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR), Entrepreneurship and Skill Development during the year

31

3.3.2.1 - Total number of workshops/seminars conducted on Research methodology, Intellectual Property Rights (IPR), entrepreneurship, skill development year wise during the year

31

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	No File Uploaded

3.3.3 - Number of awards / recognitions received for research/innovations by the institution/teachers/research scholars/students during the year

3.3.3.1 - Total number of awards / recognitions received for research/innovations won by institution/teachers/research scholars/students year wise during the year

81

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.4 - Research Publications and Awards

3.4.1 - The institution ensures implementation of its stated Code of Ethics for research

3.4.1.1 - The institution has a stated Code of Ethics for research and the implementation of which is ensured through the following **A. All of the above**

1. Inclusion of research ethics in the research methodology course work
2. Presence of institutional Ethics committees (Animal, chemical, bio-ethics etc)
3. Plagiarism check
4. Research Advisory Committee

File Description	Documents
Upload relevant supporting document	View File

3.4.2 - The institution provides incentives to teachers who receive state, national and international recognitions/awards **A. All of the above**
 Commendation and monetary incentive at a University function
 Commendation and medal at a University function
 Certificate of honor
 Announcement in the Newsletter / website

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.4.3 - Number of Patents published/awarded during the year

3.4.3.1 - Total number of Patents published/awarded year wise during the year

12

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.4.4 - Number of Ph.D's awarded per teacher during the year

3.4.4.1 - How many Ph.D's are awarded during the year

105

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.4.5 - Number of research papers per teacher in the Journals notified on UGC website during the year

1

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.4.6 - Number of books and chapters in edited volumes published per teacher during the year

3.4.6.1 - Total number of books and chapters in edited volumes / books published, and papers in national/international conference-proceedings during the year

108

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.4.7 - E-content is developed by teachers For e-PG-Pathshala For CEC (Under Graduate) For SWAYAM For other MOOCs platform For NPTEL/NMEICT/any other Government Initiatives For Institutional LMS **D. Any 2 of the above**

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	No File Uploaded

3.4.8 - Bibliometrics of the publications during the year based on average Citation Index in Scopus/ Web of Science/PubMed

Scopus	Web of Science
17	Nil

File Description	Documents
Any additional information	No File Uploaded
Bibliometrics of the publications during the year	View File

3.4.9 - Bibliometrics of the publications during the year based on Scopus/ Web of Science – h-Index of the University

Scopus	Web of Science
17	Nil

File Description	Documents
Bibliometrics of publications based on Scopus/ Web of Science - h-index of the Institution	View File
Any additional information	View File

3.5 - Consultancy

3.5.1 - Institution has a policy on consultancy including revenue sharing between the institution and the individual and encourages its faculty to undertake consultancy

The ICAR guidelines "ICAR RULES AND GUIDELINES FOR Professional Service Functions (Training, Consultancy, Contract Research and Contract Service)" delineates the policy framework for taking consultancy projects and consultancy research projects. The Guidelines gives the framework for sharing of consultancy charges among the Principal Investigators and research team and the Institution. The PME cell of Institute facilitates the interaction between industry and faculty members for taking up of the consultancy projects.

File Description	Documents
Upload relevant supporting document	View File

3.5.2 - Revenue generated from consultancy and corporate training during the year (INR in Lakhs)

3.5.2.1 - Total amount generated from consultancy and corporate training during the year (INR in lakhs)

2.13

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.6 - Extension Activities

3.6.1 - Extension activities in the neighbourhood community in terms of impact and sensitising students to social issues and holistic development during the year

Extension is one of the three mandates of the Institute. Each faculty spends 20 per cent of his/her time for extension activities. The prime extension activities are organizing 'Pusa Krishi Vigyan Mela' for 3-days in the month of March every year with kisan gosthi, hundreds of exhibitions by various agencies, and a foot fall of lakhs of farmers, extension professionals, students and other stakeholders. Institute implements the 'Mera Gaon Mera Gourav' programme in which each scientist is allotted a village within 100 km radius of the Institute and he/she regularly visits the village and offer extension services. Conducts result

demonstration of crop varieties released by the Institute, in the farmers' fields. Need based, demand driven farmer training programmes are regularly organized by the Institute. Institute participates in the exhibitions organized by other agencies throughout the country. Institute publishes a Hindi farm magazine 'Prasar doot' providing farm information which is highly useful for the farmers. Institute handholds the students, youth and entrepreneurs to venture into start-ups of Institute technologies. Institute produces and sell seeds of IARI crop varieties to farmers across India through its Seed Production Unit, Agricultural Technology Information Centre and collaborating with State Agricultural Universities and Voluntary Organizations.

File Description	Documents
Upload relevant supporting document	View File

3.6.2 - Number of awards received by the Institution, its teachers and students from Government /Government recognised bodies in recognition of the extension activities carried out during the year

3.6.2.1 - Total number of awards and recognition received for extension activities from Government / Government recognised bodies during the year

14

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	No File Uploaded

3.6.3 - Number of extension and outreach programs conducted by the institution including those through NSS/NCC/Red cross/YRC during the year(including Government initiated programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. and those organised in collaboration with industry, community and NGOs)

2

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.6.4 - Total number of students participating in extension activities listed at 3.6.3 above during the year

15

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.7 - Collaboration

3.7.1 - Number of collaborative activities with other institutions/ research establishment/industry for research and academic development of faculty and students during the 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 during the year

24

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.7.2 - Number of functional MoUs with institutions/ industries in India and abroad for internship, on-the-job training, project work, student / faculty exchange and collaborative research during the year

28

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

4.1.1 - The institution has adequate facilities for teaching - learning. viz., classrooms, laboratories, computing equipment, etc.

Institute has excellent facilities for teaching and learning. In each Department one class room is equipped with LCD projector, computer, WiFi, interactive board state of the art

laboratories. Institute has World class facilities like Nanaji Deshmukh Phenomics Lab, National Phytotron Facility, Soil and Water Analysis Lab, Automatic Weather Station, Satellite Image Analysis Lab, Food Quality Testing Lab, National Phytotron Facility, Central Seed Testing Laboratory, Herbarium Cryptogamae Indiae Orientalis (HCIO), National Pusa Insect Collection (1905), Indian Type Culture Collection of Fungi (1936), etc.

Discovery Centre: The Discovery Centre of ICAR-IARI was developed in 2020-2021. Laboratory with advanced equipment for advanced research in the field of agriculture. The laboratory was established under NAHEP CAAST on Genomics-Assisted Crop Improvement and Management. It is a student centric facility to provide a platform for strengthening educational and research activities of post graduate and doctoral students.

Beside the above mentioned teaching-learning and research facilities, during 2020-21 the institute has established virtual class room equipped with interactive digital board and rotating cameras, Digital interactive panels in Seminar rooms and auditorium, new LCD projectors in lecture rooms and seminar rooms and 86 inch smart TV with LAN and Wifi facility for webcasting.

In addition to that highly sophisticated equipment like high resolution NMR, LC-HRMS, LC-QTOF, RT-PCR, UV Transluminator, Horizontal electrophoresis system, Nitrogen analyzer etc. has been installed during 2020-21 for advanced research in teaching learning system.

File Description	Documents
Upload relevant supporting document	View File

4.1.2 - The institution has adequate facilities for cultural activities, yoga, games (indoor, outdoor) and sports. (gymnasium, yoga centre, auditorium, etc.)

The institute has four state of art gymnasium and regular yoga classes are organised in two place within campus. Institute has excellent facility for indoor and outdoor games (Football, Cricket, Basketball, Lawn tennis, Volley ball in sports ground). All the hostels have facilities for indoor games viz. Table tennis, Snooker facility, carrom board, badminton etc. IARI actively organizes the sports meet where students and faculty get to show their talents. Students participate in various sports activities.

The Institute encourages extra- curricular activities that enrich

cultural, physical and social life of students. Spacious playgrounds are provided near the student hostels and necessary facilities exist for outdoor games like cricket, football, hockey, volleyball, tennis, badminton and various athletic events. There are facilities also for indoor games like Chess, Carom and Table Tennis in each hostel. There is a Students Sports Fund to which every student subscribes at the beginning of each academic year. Various yoga classes are organized free of cost from time to time.

Institute has four (4) auditorium, the main auditorium is named as Dr BP Pal auditorium is adjacent to Central Office. The auditoriums are also located at Water Technology Center, Nuclear Research Laboratory, Department of Plant Pathology, etc. All the auditoriums are fully airconditioned with projectors and audio-visual facilities.

All the above mentioned facilities are existing and maintained properly, no new facilities developed during 2020-2021.

File Description	Documents
Upload relevant supporting document	View File

4.1.3 - Availability of general campus facilities and overall ambience

IARI is a fully residential campus for the students. Institute has five hostels for Boys, one for Girls and one for married students. Master of Halls of Residences is the head of the hostel facility in the campus.

These are spacious, well furnished hostels. Different messes use to serve the foods of different parts of India. Students use to enjoy foods according to their own food habits. Apart from hygienic foods, hostels provide recreational facilities including TVs, indoor games, book shop, hair dressing saloon, canteens, photo copy facilities, etc.

Institute has on campus residential facilities for faculty and staff and have three Guest Houses situated in the campus.

Central store (Kendriya Bhandar), Mother Dairy Booth, Amul Dairy Booth, Safal, Narmada Shopping Center are located in the Campus which cater to the day to day needs of the students, faculty members and staff. The campus is well connected with bus stop, metro station, railway station and airport. Institute is spread over an area of approximately 473 acres which is full of greenery

throughout the year. The greenery and ambience of the campus attracts large number of people from nearby locations for morning and evening walk. The divisions are decorated gardens with flowering plants. The chirping birds in morning and evening, green crop fields and peaceful environment provide the residents to stay in one of the best place within overcrowded Delhi.

File Description	Documents
Upload relevant supporting document	View File

4.1.4 - Total expenditure excluding salary for infrastructure augmentation during the year (INR in Lakhs)

2846.18

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

4.2 - Library as a Learning Resource

4.2.1 - Library is automated using Integrated Library Management System (ILMS) and has digitisation facility

Prof. M.S. Swaminathan National Agricultural Science Library, the largest agro-biological library in south-east Asia housing >5,00,000 publications comprising scientific journals, research bulletins, monographs, post-graduate theses and scientific reports. It has more than 2144 members which include students, scientists and technical staff. The library functions as the depository of FAO and CGIAR institutes' publications.

Acquisition Programme

Books: During 2020-21 the library received 2099 publications which includes 289 in Hindi books, 1360 English E- Books and 02 Advances & Annual Review. The library also acquired 126 gift publications, 147 IARI Thesis. Uploaded CDs of 175 Thesis (copy) in Krishikosh.

Serials: The Library received 1165 journals/serials, subscribed to 42 foreign journals and 68 Indian journals, 30 Newsletters, gifts 61 titles. Total 107 publications accessioned. Received 89 annual scientific/technical reports of different institutions and 18 bulletins in the library during report period. Library also

procured 12 online journals.

Document processing: Total number of document processed 571 consisting of 289 books, 175 post-graduate IARI thesis, Bulletins 18 and 89 Annual Reports were processed (classifying and cataloguing).

Resource Management: Apart from 2144 active registered members, the library served 50 to 100 users per day who comes from different agricultural universities/ICAR Institutes. Registered 90 new members (15 staff and 75 students).

Document Delivery Service: Resource management section of library is providing a Document Delivery Services to different users of agricultural field through CeRA. Total number of hits 19,639, total login session 612, searches 5,683, full text and abstract views 3,369. Total number of request received 6 through CeRA and uploaded requested articles in J-Gate

File Description	Documents
Upload relevant supporting document	View File

4.2.2 - Institution has subscription for e-Library resources Library has regular subscription for the following: e – journals e-books e-ShodhSindhu Shodhganga Databases **B. Any 3 of the above**

File Description	Documents
Upload relevant supporting document	View File

4.2.3 - Annual expenditure for purchase of books/ e-books and subscription to journals/e-journals during the year (INR in Lakhs)

158.35951

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

4.2.4 - Number of usage of library by teachers and students per day (foot falls and login data for online access)

844

File Description	Documents
Upload relevant supporting document	View File

4.3 - IT Infrastructure

4.3.1 - Number of classrooms and seminar halls with ICT - enabled facilities such as LCD, smart board, Wi-Fi/LAN, audio video recording facilities during the year

6

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

4.3.2 - Institution has an IT policy, makes appropriate budgetary provision and updates its IT facilities including Wi-Fi facility

AKMU (Agricultural Knowledge Management Unit) is responsible for all the networking activities provided to all the buildings, hostels and residences at IARI by 25 km fibre optic network connectivity spread across the campus.

ICAR-IARI, New Delhi has Unified Thread Management (UTM) firewall equipment alongwith its licences from Sophos (Model XG 430 appliances) for providing information security functions, such as packet filtering, proxy, intrusion detection and prevention systems, protection against malware, application control, etc., to IARI's LAN and servers at IARI Data Center. LAN Connectivity to the huge campus is provided by optical fiber cables (25 kms fibre cable) laid across the campus covering all divisions, guest houses, hostels, Web Server, Mail Server, Intranet Server, DNS Servers, DHCP Server, ERL Server, Egranth Servers (Krishi Kosh Digital repository), etc.. All the hostels are provided with wi-fi connectivity through wavion WBS-2400 devices. Internet services are being provided to scientists / researchers / students and other officials of the Institute.

The AKMU provides support and maintain the Online Examination Hall of ASRB Online NET exam. The infrastructure consists of 120 computers connected with LAN and high speed Internet connectivity along with power backup systems.

Data-Center hosts Web-services like IARI web-portal, Intranet services, DSSs, Digital Repository for whole NARS, Digital Library for NARES, Constant power supply has been given through two 20 KVA UPS backed up by a auto start generator. HP half blade servers (15 no.) are installed in the C7000 series chassis and hosting various activities.

File Description	Documents
Upload relevant supporting document	View File

4.3.3 - Student - Computer ratio during the year

Number of students	Number of Computers available to students for academic purposes
1597	1989

4.3.4 - Available bandwidth of internet connection in the Institution (Leased line)

- 500 MBPS - 1 GBPS

File Description	Documents
Upload relevant supporting document	View File

4.3.5 - Institution has the following Facilities for e-content development Media centre Audio visual centre Lecture Capturing System(LCS) Mixing equipment's and softwares for editing

- A. All of the above

File Description	Documents
Upload relevant supporting document	View File
Upload the data template	View File

4.4 - Maintenance of Campus Infrastructure

4.4.1 - Total expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component during the year

12811.52

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

4.4.2 - There are established systems and procedures for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc.

The institute IT cell is managed by team of IT experts lead by Incharge AKMU (Agri Knowledge Management Unit). The infrastructure at Data Centre of IARI is maintained through AMC of all the equipment available at Data Centre. The IT equipment for providing Internet services throughout the campus is also kept under AMC. The servers and data centre equipment are managed by System Administrator. The LAN maintenance is under the Network Administrator. The website and online application activities are managed by Website administrator.

The institute has well established system and procedure for maintaining and utilizing physical, academic and support facilities-libraries, laboratory, sports complex, computers, class rooms. Repair and maintenance of official, residential and hostel is done the Central Public Work department. In addition to CPW, Maintenance and Engineering unit (MEU Unit) of the Institute coordinates with the CPWD and also undertakes the repair and maintenance if it is urgent. Annual maintenance contract is done for maintaining the laboratory and IT equipments. Repair and maintenance of sports complex is done by CPWD. Post graduate students union (PGSSU) with support of Master of Halls (MoHR) office runs and operates the sports facilities. The institute library has a well established procedure for use by the faculty and students. Head library services are responsible for day to day maintenance of the library.

File Description	Documents
Upload relevant supporting document	View File

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

5.1.1 - Total number of students benefited by scholarships and free ships provided by the institution, Government and non-government agencies (NGOs) during the year (other than the students receiving scholarships under the government schemes for reserved categories)

418

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

5.1.2 - Total number of students benefited by career counselling and guidance for competitive examinations offered by the Institution during the year

77

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

5.1.3 - Following Capacity development and skills enhancement initiatives are taken by the institution Soft skills Language and communication skills Life skills (Yoga, physical fitness, health and hygiene) Awareness of trends in technology

A. All of the above

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

5.1.4 - The Institution adopts the following for redressal of student grievances including sexual harassment and ragging cases Implementation of guidelines of statutory/regulatory bodies Organisation wide awareness and undertakings on policies with zero tolerance Mechanisms for submission of online/offline students' grievances Timely redressal of the grievances through appropriate committees

• All of the above

File Description	Documents
Upload relevant supporting document	View File

5.2 - Student Progression

5.2.1 - Number of students qualifying in state/ national/ international level examinations during the year (eg:NET/SLET/GATE/GMAT/CAT/ GRE/TOEFL/Civil Services/State government examinations)

5.2.1.1 - Number of students who qualified in state/ national/ international examinations (e.g.: IIT-JAM/NET/SET/JRF/ GATE /GMAT /CAT/ GRE/ TOEFL/Civil Services/State government examinations) during the year

129

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

5.2.2 - Total number of placement of outgoing students during the year

77

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

5.2.3 - Number of recently graduated students who have progressed to higher education (previous graduating batch) during the year

59

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

5.3 - Student Participation and Activities

5.3.1 - Number of awards/medals won by students for outstanding performance in sports/cultural activities at inter -university/state/national/international events (award for a team event should be counted as one) during the year

8

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

5.3.2 - Presence of Student Council and its activities for institutional development and student welfare

The IARI has an active Students' Union known as Pusa Graduate School Students' Union (PGSSU), who puts forth major concerns of the students and issues related to them at different fora for their resolution and implementation. The Executive Committee of PGSSU comprises of following elected members: (i) President (ii) Vice President (Girl) (iii) General Secretary (iv) Games and Sports Secretary (v) Finance Secretary (vi) Social Cultural Secretary (vii) The student's representative to the Academic Council (viii) Five class representatives (ix) Literary secretary (Girl) (x) Alumni secretary (xi) Career Council and Placement Secretary. The Board of Studies (BOS) in each discipline also has a students' representative, who actively takes part in the decision making in the matters pertaining to the various academic activities of that particular Discipline. Two student representatives are also appointed as member of the Academic Council.

The PGSSU representatives are also members of Standing Committee on Scholarships, Financial Assistance and Academic Progress, Standing Committee on Students Problems and Discipline, Welfare Board and Residences, Standing Committee on Courses, Curricula and academic affairs Students Welfare Fund is maintained in the PG School, IARI. The students are also members in the various committees for organization of annual events at the institute.

File Description	Documents
Upload relevant supporting document	View File

5.3.3 - Number of sports and cultural events / competitions organised by the institution during the year

2

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

5.4 - Alumni Engagement

5.4.1 - The Alumni Association/Chapters (registered and functional) contributes significantly to the development of the institution through financial and other support services during the year

The 'IARI Alumni Association' was registered under societies registration act in 1992. It has been created with a primary aim of networking its alumni and developing a sense of community amongst them. The institute is utilising the services of Alumni in various committees like Institute Research Council, Research Advisory Council, Quinquennial Review Team, etc. The Alumni are also being encouraged to join as Adjunct Faculty to strengthen teaching and research activities. The Alumni are also welcome to serve IARI as National Professor, Eminent Scientist, Eminent Professor, etc. The Alumni also form pool of resources for evaluation of thesis, external examiners of students' theses and for conducting Qualifying Examination. The Alumni serving in various ICAR institutes, SAUs and Private Firms are welcome to take up collaborative or joint research projects. Besides, they are providing mentoring services to the current students at the institute. Through their rich experience they are helping the students to understand the requirements of various industries and educating them to plan and shape their career in right direction. During the convocation week celebration of the institute, alumni are invited for the convocation week celebration, and they share their memories and experiences during convocation dinner.

File Description	Documents
Upload relevant supporting document	View File

5.4.2 - Alumni contribution during the year **E. <1Lakhs**
(INR in Lakhs)

File Description	Documents
Upload relevant supporting document	View File

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

6.1.1 - The institution has a clearly stated vision and mission which are reflected in its academic and administrative governance

The Institution has a clearly stated mission which is to provide visionary leadership for "Science-led sustainable and globally competitive agriculture for food, nutrition and livelihood security, through exploring new frontiers of science, developing human resources and policy guidelines for creating a vibrant, responsive and resilient agriculture". In order to accomplish this mission, the Institute has identified the following to fulfil its mandate to make Indian agriculture locally, regionally and globally competitive (www.iari.res.in):

1. To conduct basic and strategic research with a view to understand the processes, in all their complexity, and to undertake need-based research, leading to crop improvement and sustained agricultural productivity in harmony with the environment.
2. To serve as a centre for academic excellence in the area of post-graduate education and human resources development in agricultural sciences.
3. To provide national leadership in agricultural research, extension, and technology assessment and transfer by developing new concepts and approaches and serving as a national referral point for quality and standards.
4. To develop information systems, add value to information and serve as a national agricultural library and database.

File Description	Documents
Upload relevant supporting document	View File

6.1.2 - The effective leadership is reflected in various institutional practices such as decentralization and participative management

The leadership of the Institute is unique in being decentralized and participatory at all levels of functioning. The administrative and technical head of IARI is its Director, who is supported and ably guided by The Board of Management. The Director Chairman is served by four Councils, namely, the RAC, Academic Council, Extension Council and Executive Council, which provide the overall

management direction. The Director is assisted by four Joint Directors i.e., Joint Director (Research), Joint Director (Education) & Dean, Joint Director (Extension) and Joint Director (Administration). The Comptroller is in charge of auditing and accounts matters. Presently, the research, education, and extension activities of the Institute are carried out through a network of 20 discipline-based divisions, 2 multidisciplinary centres, 8 regional stations, 2 off-season nurseries, 10 centres of AICRP and a common set of service units.

The leadership is actively involved in the above-mentioned aspects through various decision-making bodies of the Institute, formal and informal meetings and students and regular visits to the fields and labs of various disciplines. In ensuring the organization's management system development in the following key activities:

1. Implementation and continuous improvement
2. Interaction with its stakeholders

File Description	Documents
Upload relevant supporting document	View File

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic plan is effectively deployed

The institute follows a professional and dynamic approach to managing the various academic and administrative activities through both decentralization and participative management. The Director of the institute gives adequate budgetary allocation of funds to the Joint Directors and Heads of Divisions along with the generous freedom and flexibility for their utilization to ensure full, independent and effective discharge of their responsibilities and functions. The HODs are empowered to sanction indents amounting to Rs 1 lakh. The Director conducts monthly meetings of the HODs to review the progress made and to chart out the future course of action. Similarly, at the divisional level a DBRC is constituted by including members from different categories of scientists as well as an Administrative Officer. The Professor of the Division is given full freedom to effectively utilize funds allocated for strengthening PG activities as per the GFR. The four standing Committees, IQAC, under the guidance of competent authorities, are involved in defining policies, procedures, framing guidelines and rules and regulations pertaining to

admission, examination, discipline, grievance, support services, finance, etc. With the online system, in place, a smooth transitioning at all levels with quicker response times is ensured.

File Description	Documents
Upload relevant supporting document	View File

6.2.2 - The functioning of the institutional bodies is effective and efficient as visible from policies, administrative setup, appointment and service rules, procedures, etc.

The Institute has a strong in-built mechanism to monitor and keep effective and efficient all its policies related to administration, service rules and official processing. The Academic Council, being the Apex Statutory Body, along with its Standing Committees and Board of Studies in respective disciplines periodically reviews academic progress, while research and academic progress is reviewed by Institute Research Council (IRC) and Research Advisory Committee (RAC). Periodic review is conducted three times in a year by Academic Council, once in a year by RAC, IRC and Extension Council. The recommendations of the RAC and /academic council are put up to ICAR for approval and the suggestions are used for refinement of the research projects. However, the institute has set up several empowered Committees to monitor and evaluate the post graduate courses and thus suggest corrective measures, wherever necessary. NAAC cell has also set up to digitize the information and provide a workflow for regular functioning of institutional activities encourages all its academic departments to function independently. However, to ensure accountability, some of the critical decisions on academics are made through Dean and Director to ensure coordination and accountability.

File Description	Documents
Upload relevant supporting document	View File

6.2.3 - Institution Implements e-governance in its areas of operations

6.2.3.1 - e-governance is implemented covering following areas of operation

A. All of the above

1. Administration

2. Finance and Accounts**3. Student Admission and Support****4. Examination**

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

6.3 - Faculty Empowerment Strategies

6.3.1 - The institution has a performance appraisal system, promotional avenues and effective welfare measures for teaching and non-teaching staff

The Institute has a well-established, transparent and quantitative performance appraisal system. The performance is reviewed annually in the form of Annual Performance Assessment Report (APAR) at three levels i.e., officer reported upon, reporting officer and reviewing officer. Research activities are reviewed through Institute Research Council (IRC) and Research Advisory Committee (RAC). Time bound promotional promotions are ensured through two tracks viz., direct recruitment at every level of the career and Career Advancement Schemes (CAS) at Departmental level. Encouraging the teachers to participate in training programmes, seminars, conferences, sports, recreational activities, etc., takes care of their professional as well as welfare spheres. The Institute has sports grounds, recreational clubs, Gymnasia, indoor and outdoor sports facilities such as badminton, tennis, basketball and volley ball courts.

The Institute facilitates this by empowering and enhancing the capabilities of its human resource at all levels, through professional and non-technical trainings. Faculty members can undergo 6-month training in any premier national institute of their choice. The faculty of the Institute also avail various fellowships to undergo short-term and long-term international trainings.

File Description	Documents
Upload relevant supporting document	View File

6.3.2 - Total number of teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the year

79

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

6.3.3 - Number of professional development / administrative training Programmes organized by the institution for teaching and non-teaching staff during the year

31

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

6.3.4 - Total number of teachers undergoing online/ face-to-face Faculty Development Programmes (FDP)during the year(Professional Development Programmes, Orientation / Induction Programmes Refresher Course, Short Term Course)

89

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institutional strategies for mobilisation of funds and the optimal utilisation of resources

The Institute is placed under the Crop Science subject matter division, which is a constituent unit of ICAR. The Institute is fully funded by both Plan and Non-Plan grant of Government of India. Additionally, the faculty are encouraged to apply for and also bring large number of external funded projects, in which 5-15% of recurring budget is given as Institutional charges. Further, substantial income is also generated through its revenue resources especially through Professional Service fee and income through commercialization of technology of intellectual property management. The Council also sets the target of resource generation/revenue receipts to Institute/Deemed University every year on the basis of its evaluation of Institute's resources base

and potential. Apart from generation of revenue receipts, the Institute/Deemed University also generates "Surplus Fund" through Professional Service Fee and income from intellectual property management and commercialization of Transfer of Technology.

File Description	Documents
Upload relevant supporting document	View File

6.4.2 - Funds / Grants received from government bodies during the year for development and maintenance of infrastructure (not covered under Criteria III and V) (INR in Lakhs)

68440.18

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

6.4.3 - Funds / Grants received from non-government bodies, individuals, philanthropists during the year for development and maintenance of infrastructure (not covered under Criteria III and V)(INR in Lakhs)

84.03

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

6.4.4 - Institution conducts internal and external financial audits regularly

The Institute/Deemed university has a sound mechanism of Three Tier Audit viz. External Audit through the Office of Director General of Audit, Central Expenditure (C&AG), Internal Inspection through designated CA firm of ICAR headquarters and Internal Audit through Internal Audit Section of Finance Wing of IARI. There is a sound mechanism for the settlement of Audit Paras through the Audit Review Committee of the Council. The audited Balance Sheet, Income and Expenditure statements and Receipt and Payment accounts of the last four years have been submitted to ICAR headquarters & the same has been accepted. The committee thoroughly verifies the income and expenditure details, and the compliance report of the internal audit is submitted to the institution's management.

- External audit is conducted once every year by an external agency.
- External Audit is conducted by the C A. G. Office as per its Audit calendar.
- Internal Audit of the institute is conducted by the ICAR headquarter on yearly basis.
- Besides, the physical verification of the stores and divisional libraries is conducted in each division by an in-house committee constituted by HOD for the aforesaid purpose.

File Description	Documents
Upload relevant supporting document	View File

6.5 - Internal Quality Assurance System

6.5.1 - Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes by constantly reviewing the teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals

Internal Quality Assurance System is in place at various levels in the institute and is an ongoing and continual process. Academic audit of the Institute is a continuous process where the divisions' performances are discussed in the Institute Research Council and Research Advisory Committee meetings. During the convocation week, experts are called to evaluate the professors' presentations on faculty and student achievements. At the faculty level, there are meetings of the Board of Studies represented by all the Departments. Students' feedback is also considered and evaluated towards improvement in teaching and course content modulation. Therefore, sufficient checks are available for academic evaluation of the divisions' operations. Suitable measures/actions are taken by the Institute to implement the recommendations given by the experts at all levels. However, the institute is contemplating constituting an empowered cell to monitor and evaluate the postgraduate courses and thus suggest corrective measures wherever necessary.

Research and academic progress are reviewed by IRC and RAC through the PME Cell, which looks after the responsibilities of coordinating and monitoring the Institute's research activities, including the annual presentation of scientific work by the concerned scientist before the IRC/RAC.

File Description	Documents
Upload relevant supporting document	View File

6.5.2 - Institution has adopted the following for Quality assurance Academic Administrative Audit (AAA) and follow up action taken Conferences, Seminars, Workshops on quality conducted Collaborative quality initiatives with other institution(s) Orientation programme on quality issues for teachers and students Participation in NIRF Any other quality audit recognized by state, national or international agencies (ISO Certification, NBA)

A. Any 5 or all of the above

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

6.5.3 - Incremental improvements made for the preceding during the year with regard to quality (in case of first cycle) Post accreditation quality initiatives(second and subsequent cycles)

The recommendations of the RAC and /academic council are regularly evaluated by ICAR towards their approval and the suggestions are used for refinement of the research projects.

Some of the major improvements made include:

The courses have been revised following the 5th Deans Committee Report BSMA (Broad Subject Matter Area) guidelines and new courses added, some revised, while some aspects merged to make learning more comprehensive and updated

- The outreach programme has been strengthened by recognizing more institutes as partners in academic activities, including teaching, inducting faculty as Research Guides for guidance of MSc/PhD students**
- New courses have been added to broaden the knowledge of students with a view to inculcate soft skills**

The students thesis research is better aligned with the research

programme of Divisions and complementary to research projects of faculty towards better quality of research towards attaining Sustainable Developmental Goals (SDGs) and outputs in the form of technologies/patents etc.

File Description	Documents
Upload relevant supporting document	View File

INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

7.1.1 - Measures initiated by the Institution for the promotion of gender equity during the year

The institute has implemented a comprehensive array of measures to foster gender equity and sensitivity, on campus. Ensuring round-the-clock security, the institute maintains a dedicated security team to safeguard the well-being of women. To further enhance inclusivity, dedicated rooms are available for girl students. Furthermore, specific leadership positions such as Vice-President and Literary Secretary are reserved for female students in Graduate School Students Union, promoting their active participation in campus governance. The institute also prioritizes the welfare of employees with children, offering support through three daycare centers—Nehru Experimental Center, Udyan, Blossom, and Ankur, enabling balance between work and family responsibilities effectively. In efforts to empower women, the institute has organized numerous training programs tailored exclusively for female participants covering a diverse range of topics such as value addition, nutrition, health benefits, and income generation activities. Furthermore, the institute has demonstrated a commitment to gender diversity in leadership positions, with 20 women currently serving in various leadership roles including the Dean of IARI. The institute has established an Internal Complaints Committee (ICC) to address grievances related to gender-based discrimination or harassment promptly. The institute is registered on the SAKSHAM portal of UGC, actively contributing to the empowerment of women.

File Description	Documents
Upload relevant supporting document	View File
Annual gender sensitization action plan(s)	Nil
Specific facilities provided for women in terms of: a. Safety and security b. Counseling c. Common rooms d. Daycare Centre e. Any other relevant information	Nil

7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation Solar energy plant Wheeling to the Grid energy conservation power-efficient equipment

A. Any 4 or All of the above

File Description	Documents
Upload relevant supporting document	View File

7.1.3 - Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within 200 words) Solid waste management Liquid waste management Biomedical waste management E-waste management Waste recycling system Hazardous chemicals and radioactive waste management

Solar Photovoltaic Cells for electricity generation are installed at the roofs of various buildings. The Institute has well-knit protocols/ procedures for the collection and disposal of different kinds of wastes (chemical, biological, radioactive, universal and recyclable) from the laboratories, hostels and research farms. Institute Radiological Safely Office which operates takes care of the procurement of radioisotopes and biomolecules for research, collection of wastes on regular basis and its safe disposal in the designated protected area. The pesticide contaminated toxic waste and other related contaminated wastes generated from the laboratories are disposed-off on regular basis through safe disposal agencies. The Institute has installed bio-incinerator to manage hazardous laboratory waste. The facility with a capacity of 50 Kg/hour was created with IARI plan fund of Rs 18 lakh. The institute has got IBSC (Institute Bio-safety Committee) to scrutinize and approve applications related to research on GMOs

including genome editing as directed by DBT, Ministry of Science and Technology, Government of India. The institute has designated solid waste disposal points located in residential as well as in various Divisions and offices where the solid wastes are collected and disposed off for final collection by Municipal Corporation of Delhi.

File Description	Documents
Upload relevant supporting document	View File

7.1.4 - Water conservation facilities available in the Institution: Rain water harvesting Bore well /Open well recharge Construction of tanks and bunds Waste water recycling Maintenance of water bodies and distribution system in the campus **A. Any 4 or all of the above**

File Description	Documents
Upload relevant supporting document	View File

7.1.5 - Green campus initiatives include

7.1.5.1 - The institutional initiatives for greening the campus are as follows: **A. Any 4 or All of the above**

- 1. Restricted entry of automobiles**
- 2. Use of bicycles/ Battery-powered vehicles**
- 3. Pedestrian-friendly pathways**
- 4. Ban on use of plastic**
- 5. Landscaping**

File Description	Documents
Upload relevant supporting document	View File

7.1.6 - Quality audits on environment and energy are regularly undertaken by the institution

7.1.6.1 - The institution's initiatives to preserve and improve the environment and harness energy are confirmed through the following: **C. Any 2 of the above**

- 1. Green audit**

2. Energy audit
- 3.Environment audit
4. Clean and green campus recognitions/awards
- 5.Beyond the campus environmental promotional activities

File Description	Documents
Upload relevant supporting document	View File

7.1.7 - The Institution has a disabled-friendly and barrier-free environment Ramps/lifts for easy access to classrooms and centres. Disabled-friendly washrooms Signage including tactile path lights, display boards and signposts Assistive technology and facilities for persons with disabilities: accessible website, screen-reading software,mechanized equipment, etc. Provision for enquiry and information: Human assistance, reader, scribe, soft copies of reading materials, screen reading, etc.

A. Any 4 or all of the above

File Description	Documents
Upload relevant supporting document	View File

7.1.8 - Describe the Institutional efforts/initiatives in providing an inclusive environment i.e. tolerance and harmony towards cultural, regional, linguistic, communal, socio-economic and other diversities (within a maximum of 200 words)

IARI campus represents a true example of 'Unity in Diversity'. It embodies faculty and students of almost all states of India, from different faith/religion, different cultural and food habits, and having different mother tongue. All coexists in absolute peaceful, friendly relations with harmony since the inception of the institute more than a century ago. Presently nine messes are operating in various hostels which cater the food requirements to the students of different food habits. The festivals like Diwali, Durga Puja, Ganesh Chaturthi, Saraswati Puja, Moharram, Eid are celebrated by the staff and the students having different faiths with great enthusiasm. Charitable work like free Covid-19 vaccination and testing camp, blanket distribution to economically weaker people, are also conducted by in the Nehru Experimental Centre located inside the campus by various socio-cultural

organization existed in IARI campus on voluntary basis. The socio-cultural organization also provide education to the children of the labours working in different construction work of IARI. The institute is running weekly new 'Pusa Samachar' in three different languages -Hindi, Odia and Tamil and has till date completed 195 such events.

File Description	Documents
Upload relevant supporting document	View File

7.1.9 - Sensitization of students and employees of the institution to constitutional obligations: values, rights, duties and responsibilities of citizens:

In fostering a deep understanding of constitutional obligations among students and employees, our institution has implemented a multifaceted approach to instill core values, rights, duties, and responsibilities of citizenship. During Vigilance Awareness Week, a commendable 7,718 individuals actively engaged in activities aimed at promoting ethical conduct and integrity. Moreover, Voter's Day was celebrated in Institute with a pledge to uphold democratic principles and civic responsibility, commemorated Constitutional Day on November 26th, reaffirming our commitment to the foundational principles of our democracy and the rule of law, and observed Communal Harmony Week to promote unity and understanding among diverse communities, fostering an inclusive and peaceful society. To uphold academic integrity, 3,107 students embraced the Adoption of Anti-Plagiarism Policy, underscoring our commitment to originality and scholarly integrity. Courses such as PGS505 and ES611 equip students with the knowledge and skills to navigate complex ethical dilemmas while promoting sustainable practices. In addition to academic endeavors, our institution actively engages in community outreach programs such as "Mera Gaon Mera Gaurav (MGMG)," facilitating knowledge transfer and technology dissemination to empower farmers. Thus, our institution remains steadfast in its mission to sensitize students and employees to their constitutional obligations.

7.1.10 - The Institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic programmes in this regard. The Code of Conduct is displayed on the website There is a committee to monitor adherence to Any 3 of the above

the Code of Conduct Institution organizes professional ethics programmes for students, teachers, administrators and other staff Annual awareness programmes on Code of Conduct are organized

File Description	Documents
Upload relevant supporting document	View File

7.1.11 - Institution celebrates / organizes national and international commemorative days, events and festivals

Every year, a week long Convocation programme of the PG school of the Institute organized in February which include presentation of significant post graduate students' research, presentation of significant educational achievements by the professors of different disciplines, lectures by the recipients of institute awards and Lal Bahadur Shastri memorial lecture. Besides the institute celebrates and organizes the following commemorative days throughout the year: Republic Day on 26th January Independence Day on 15th August The Institute celebrated World Water Day on March 22, 2021 The Institute celebrated the International Women's Day in collaboration with Pusa Institute Ladies Association (PILA) in March 8, 2021. National Science day on February 28, 2021 IARI Foundation day: on April 1st IARI Jharkhand foundation day: on 28th June 2021 World Bee Day on May 20th, 2021 World Milk Day on June 1st , 2021 World Yoga Day on June 21st World Soil Day on 5th December B. P. Pal Memorial Lecture on 20th July, 2021 Teachers Day on 5th September The festivals like Diwali, Durga Puja, Ganesh Chaturthi and Saraswati Puja, Muharram and Eid are observed by the faculty and the students of different states with great enthusiasm.

Part B

CURRICULAR ASPECTS

1.1 - Curriculum Design and Development

1.1.1 - Curricula developed and implemented have relevance to the local, national, regional and global developmental needs which is reflected in Programme outcomes (POs), Programme Specific Outcomes(PSOs) and Course Outcomes(COs) of the Programmes offered by the University

The institute introduced new course curricula for Post Graduate and Ph.D. degree programs to accustom the students to the advanced agricultural education and research innovations which helps the larger interest to the national and global developmental needs (few are highlighted on page Nos. 34,35,37,38 etc.). As per recommendations of the National Education Policy-2020, the courses have been revised and new courses inducted. In the year 2020-21, IARI opted semester system in place of trimester system which was existed. The course curricula align with New and Restructured Post-Graduate curricula & syllabi, Education Division, Indian Council of Agricultural Research, New Delhi 2009 and later based on Broad Subject Matter Area (BSMA)-2021 for the Post Graduate programs. It gives a comprehensive listing of course curricula offered by various disciplines, updated in line with approved amendments by the Academic Council. By following the spirit of Choice Based Credit System (CBCS), students are given opportunities to select the courses to support their planned research activities, to register for online courses and to pursue internship for development of entrepreneurship during Masters' programme. Further, the Teaching Assistantship has been introduced to provide experience to the Ph.D. scholars on teaching, evaluation and other related academic matters.

File Description	Documents
Upload relevant supporting document	View File

1.1.2 - Number of Programmes where syllabus revision was carried out during the year

52

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

1.1.3 - Total number of courses having focus on employability/ entrepreneurship/ skill development offered by the University during the year

1.1.3.1 - Number of courses having focus on employability/ entrepreneurship/ skill development during the year

31

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

1.2 - Academic Flexibility

1.2.1 - Number of new courses introduced of the total number of courses across all programs offered during the year

99

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

1.2.2 - Number of Programmes in which Choice Based Credit System (CBCS)/elective course system has been implemented during the year

52

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

1.3 - Curriculum Enrichment

1.3.1 - Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum

Institute integrates Cross-cutting issues of the society like Moral Values, Human Values, Professional Ethics, Ethical Values Gender Equality, Environmental Awareness, which are inseparable part of our curriculum.

Moral Values, Human Values & Professional Ethics: A compulsory course on Agricultural research, research ethics is taught to students.

Gender Sensitization and equality: A course on "Gender Mainstreaming (EXT 510)" is an integral part of Course curriculum. Institute has Women Grievance Cell and Grievance Redressal Cell to address and promote issue related to gender equity among staff and students. It deals with related issues of safety and security of female students, staff and faculty. There are separate Boys & Girls hostel (In-campus) for providing the safe environment to all students. Gender Advancement for Transforming Institutions (GATI) has been adopted by IARI.

Environment & Ecology: The discipline of Environmental Science offers several courses related to environmental pollution and its prevention, environmental impact assessment, environmental microbiology, toxicology, climate change etc. Institute has invested in ground water recharging system, solar electricity generation and STP. Institute celebrates days related to environmental importance like Earth day, Environment day and Ozone day. Workshop/ seminars on Environment & Ecology are organized to spread awareness about the importance of environment.

File Description	Documents
Upload relevant supporting document	View File

1.3.2 - Number of value-added courses for imparting transferable and life skills offered during the year

78

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

1.3.3 - Total number of students enrolled in the courses under 1.3.2 above	
1.3.3.1 - Number of students enrolled in value-added courses imparting transferable and life skills offered during the year	
1036	
File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File
1.3.4 - Number of students undertaking field projects / research projects / internships during the year	
252	
File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File
1.4 - Feedback System	
1.4.1 - Structured feedback for design and review of syllabus – semester wise / is received from Students Teachers Employers Alumni	• Any 2 of the above
File Description	Documents
Upload relevant supporting document	View File
1.4.2 - Feedback processes of the institution may be classified as follows	• Feedback collected, analysed and action taken and feedback available on website
File Description	Documents
Upload relevant supporting document	View File
TEACHING-LEARNING AND EVALUATION	
2.1 - Student Enrollment and Profile	

2.1.1 - Demand Ratio**2.1.1.1 - Number of seats available during the year**

1) M.Sc.: 238 2) Ph.D.: 243

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

2.1.2 - Total number of seats filled against reserved categories (SC, ST, OBC, Divyangjan, etc.) as per applicable reservation policy during the year (Excluding Supernumerary Seats)**2.1.2.1 - Number of actual students admitted from the reserved categories during the year**

Total 373 students (SC: 64; ST: 32; OBC: 199; Others: 78)

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

2.2 - Catering to Student Diversity

2.2.1 - The institution assesses the learning levels of the students and organises special Programmes for advanced learners and slow learners

The institute has a robust in-built mechanism for continuous monitoring of the students; regular quizzes, term-paper presentations and mid-term examinations are held in each course and assignments given. The performance of students in these auxiliary teaching activities segregates the slow learners from advanced learners. Once identified, the slow learners are given extra attention, time and study material by the course instructors. Besides, heterogeneous groups, comprising of advanced and slow learners, are made in each course for various group activities intended for peer-learning. Advanced learners are requested to help out slow learners in every aspect. This practice is beneficial to both the categories of the students as it clarifies the doubts of the slow learners and provides deeper insights to the advanced learners. Further, all faculty members conduct a quiz in the introductory class to assess the levels of students and their different teaching requirements. The faculty members cover the required fundamental aspects in

their initial classes to bring student population to the similar level. Students with difficulties in English are asked to take special English courses offered by the institute. The institute offers remedial courses to the students who have not previously done any course related to Agriculture.

File Description	Documents
Upload relevant supporting document	View File
Link For Additional Information	Nil

2.2.2 - Student - Full time teacher ratio during the year

Number of Students	Number of Teachers
476	503

File Description	Documents
Upload relevant supporting document	View File

2.3 - Teaching- Learning Process

2.3.1 - Student centric methods, such as experiential learning, participative learning and problem-solving methodologies are used for enhancing learning experiences

The motto of the IARI is to generate globally-competent human resource, who are job provider rather than job-seekers. The students are, therefore, engaged in various field and laboratory exercises, wherein they are exposed to real-life problems and expected to encounter novel and unfamiliar situations that support new learnings and experiences. The purpose of such exercises is to engage them intellectually, creatively, emotionally and socially in a task to gain insights. In the brainstorming sessions following these exercises, students critically reflect the results of the case studies and design possible strategies to address the problems encountered. Students are provided sufficient opportunities to take new initiatives, make their own decisions and be accountable for the results. Further, the scientists of IARI are spearheading "Mera Gaon Mera Gaurav (MGMG)" program under which they adopt a cluster of five villages for the hand-holding of the farmers. These MGMG teams mandatorily visit these adopted villages for the demonstration of their technologies for the

benefit of the farmers. The students also participate in this activity to acquire knowledge about the lab-to-land transfer of technologies and to gain in-field training. Besides, students are supported to present their research findings in various symposia, conferences and workshops.

File Description	Documents
Upload relevant supporting document	View File

2.3.2 - Teachers use ICT enabled tools including online resources for effective teaching and learning processes during the year

The institute follows ICT enabled teaching in addition to the traditional classroom education. There is an Agricultural Knowledge Management Unit (AKMU), which is involved in hosting and maintenance of e-resources and developing ICT in agricultural research. All the classrooms and laboratories in different Divisions are well equipped with modern ICT-tools. The IARI library is a constituent of Consortium for e-Resources in Agriculture (CeRA), which provides online accesses of select journals and e-books. The faculty members are routinely using online teaching platforms such as Zoom/Google Meet/Microsoft teams for conducting classes, seminars, academic meetings and viva-voce examinations. Most of the divisions have smart classrooms with high-end LCD projectors along with interactive boards and high-resolution cameras. The PGS online management system of the institute enables online execution of majority of the teaching related activities. The institute gives due weightage to the use and development of innovative online teaching methods in various award applications. The institute has its own You tube channel on which education is provided in different languages on weekly basis. Various social media platforms are also used for dissemination of information and knowledge. The faculty of IARI is also involved in the development of Massive Open Online Courses (MOOCs) .

File Description	Documents
Upload relevant supporting document	View File

2.3.3 - Ratio of students to mentor for academic and other related issues during the year

2.3.3.1 - Number of mentors

402

File Description	Documents
Upload relevant supporting document	View File

2.4 - Teacher Profile and Quality

2.4.1 - Total Number of full time teachers against sanctioned posts during the year

503

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

2.4.2 - Total Number of full time teachers with Ph.D./D.M/M.Ch./D.N.B Superspeciality/D.Sc./D'Lit. during the year

486

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	No File Uploaded

2.4.3 - Total teaching experience of full time teachers in the same institution during the year

2.4.3.1 - Total experience of full-time teachers

6994

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	No File Uploaded

2.4.4 - Total number of full time teachers who received awards, recognition, fellowships at State, National, International level from Government/Govt. recognised bodies during the year

46

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

2.5 - Evaluation Process and Reforms

2.5.1 - Number of days from the date of last semester-end/ year- end examination till the declaration of results during the year

Nil

2.5.1.1 - Number of days from the date of last semester-end/ year- end examination till the declaration of results year wise during the year

08

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

2.5.2 - Total number of student complaints/grievances about evaluation against total number appeared in the examinations during the year

0

File Description	Documents
Upload relevant supporting document	No File Uploaded

2.5.3 - IT integration and reforms in the examination procedures and processes (continuous internal assessment and end-semester assessment) have brought in considerable improvement in examination management system of the institution

The development of PGS online management system at IARI has clearly made examination process more efficient and effective leaving more time at the disposal of students and faculty members to focus on knowledge enrichment and skill development. Furthermore, IT integration has brought in more accountability and transparency resulting in more students' satisfaction. Currently, the students are using following online facilities: registration of approved courses, submission of PPW and ORW of thesis research work, payment of fees, viewing the results of various examinations, submitting proposals for qualifying viva voce examination, thesis submission and for addition/deletion

in their Advisory Committee. The credit seminars, ORW presentations, thesis seminar presentations, Qualifying viva voce examinations, thesis viva-voce examinations of students, and BOS meetings are held on the online platforms. Google forms are being used for the purpose of conducting various quizzes and surveys. The integration of IT has also enabled error-free computation of course grades and OGPA. Semester-wise examination schedule is circulated amongst all the concerned in the online mode. The results of the various examinations are also submitted online by the respective course leaders, which has significantly reduced the time gap between generation of the examination result and its access to the students.

File Description	Documents
Upload relevant supporting document	View File

2.5.4 - Status of automation of Examination division along with approved Examination Manual	A. 100% automation of entire division & implementation of Examination Management System (EMS)
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File Description	Documents
Upload the data template	View File
Upload relevant supporting document	No File Uploaded

2.6 - Student Performance and Learning Outcomes

2.6.1 - The institution has stated learning outcomes (generic and programme specific)/graduate attributes which are integrated into the assessment process and widely publicized through the website and other documents

IARI has developed a PG School calendar, which contains the information pertaining to programmes offered, programme objectives, programme specific objectives, course structure, and course syllabi. The course syllabus prominently displays the course objectives and course outcomes. All students are apprised of the objectives and expected outcomes of their programme on admission during orientation programme. Research work is an integral component of the IARI degree programme. The outcome of their thesis work in terms of research paper publications and/or development of patents /copyrights /processes /methods /models /technologies carries a significant weightage when eligible students compete for the IARI Merit

Medals. The syllabi of these courses are revised as per the needs and requirements of the various stakeholders to ensure that students are job-ready and industry fit. Furthermore, remedial introductory courses on agriculture have been designed for students, who have not been previously exposed to agricultural courses. Besides, there are mandatory compulsory courses to improve students' soft skills, scientific aptitude, research ethics, moral values and social awareness. These courses are of utmost importance in this era of cut-throat competition that not only enable us to attain our programme objectives but help students to contribute meaningfully towards nation-building.

File Description	Documents
Upload relevant supporting document	View File

2.6.2 - Attainment of Programme outcomes, Programme specific outcomes and course outcomes are evaluated by the institution during the year

The attainment of POs, PSOs and COs is evaluated at various levels; At the end of the semesters the students provide their feedback about each course in a comprehensive evaluation proforma, which is discussed by the Course leader with all the course associates and corrective measures and suggestions communicated to Professor of the Division. Board of Studies evaluates the feedback proforma at the end of each semester/trimester, wherein suggestions made by the students and faculty members are thoroughly discussed and strategies redesigned e.g. addition of new components under selected practical/theory topics, reshuffling of topics amongst the course instructors involved in the teaching of a particular course, inviting Guest lecturers having expertise in specific topics, incorporation of new assignments, arranging field/industrial visits, incorporating term paper presentations and group discussions on recent developments related to the course content. The performance of the students in various examinations including competitive examinations, their participation and achievements in extracurricular, social and/or community activities and quality, ease and diversity of their placement across the sectors is considered as the litmus test for successful attainment of the POs, PSOs and COs, which in turn not only enables the students to acquire requisite skills, expertise and attitude.

File Description	Documents
Upload relevant supporting document	View File

2.6.3 - Number of students passed during the year

2.6.3.1 - Total number of final year students who passed the university examination during the year

242

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	No File Uploaded

2.7 - Student Satisfaction Survey

2.7.1 - Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design its own questionnaire) (results and details need to be provided as a web link)

<https://www.iari.res.in/en/naac-home.php>

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Promotion of Research and Facilities

3.1.1 - The institution Research facilities are frequently updated and there is well defined policy for promotion of research which is uploaded on the institutional website and implemented

The institute has well defined policy for facilitation and promotion of research, publicaiton, training, and protecton of IP. These are documented in the documets like (1)ICAR RULES AND GUIDELINES FOR Professional Service Functions (Training, Consultancy, Contract Research and Contract Service) and 2)ICAR Guidelines for Intellectual Property Management and Technology Transfer / Commercialization (Revised 2018) Published by ICAR, Krishi Bhawan, New Delhi. The two documents deal with rules and regulations and process to be followed for taking up contract reearch,contract services, consultancy research and consultancy services. The policy document also states the process of protection oftechnologies developed by the scientist and students of the Insitute.Prioritization Monitoring Cell is in place which coordinates and facilitates research activities in the Institute. There a number of laboratories of national importance which house latest equipments and provide analytical

services. The list of analysis and their rates are put on the Institutes website for reference and use by the researchers.

File Description	Documents
Upload relevant supporting document	View File

3.1.2 - The institution provides seed money to its teachers for research (amount INR in Lakhs)

2138.68

File Description	Documents
Upload the data template	No File Uploaded
Upload relevant supporting document	View File

3.1.3 - Number of teachers receiving national/ international fellowship/financial support by various agencies for advanced studies/ research during the year

42

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.1.4 - Number of JRFs, SRFs, Post-Doctoral Fellows, Research Associates and other research fellows enrolled in the institution during the year

308

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.1.5 - Institution has the following facilities to support research
Central Instrumentation Centre
Animal House/Green House
Museum Media laboratory/Studios
Business Lab Research/Statistical Databases
Moot court Theatre Art Gallery

A. Any 4 or more of the above

File Description	Documents
Upload relevant supporting document	View File

3.1.6 - Number of departments with UGC-SAP, CAS, DST-FIST, DBT, ICSSR and other recognitions by national and international agencies during the year

7

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.2 - Resource Mobilization for Research

3.2.1 - Extramural funding for Research (Grants sponsored by the non-government sources such as industry, corporate houses, international bodies for research projects) endowments, Chairs in the University during the year (INR in Lakhs)

4120.42

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.2.2 - Grants for research projects sponsored by the government agencies during the year (INR in Lakhs)

32386.61

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.2.3 - Number of research projects per teacher funded by government and non-government agencies during the year

0.5

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.3 - Innovation Ecosystem

3.3.1 - Institution has created an eco-system for innovations including Incubation centre and other initiatives for creation and transfer of knowledge

Pusa Krishi's commitment to fostering innovation in agricultural sector is exemplified through its special incubations programs and the newly established Incubation Centre with innovative labs for ground-breaking research and co-working space to fuel entrepreneurship spirit with like-minded agripreneurs. With three distinct labs - PHT, Bioinformatics, and Fab Labs - Pusa Krishi provides startups with opportunities to explore and learn. MoU has been signed for office space with 8 startups.

We are committed to enhancing capabilities of other incubators and supporting agri startups under the RKVY-RAFTAAR scheme through our incubation programs - UPJA & ARISE. Additionally, SHITIJ (DST) and BEEJ empowers young entrepreneurs and early-stage startups to ideate, develop, and scale their ideas.

We have nurtured about 258 startups and empowered 152 of these startups, fostering innovation and job creation. Our efforts have resulted in the generation of 19,394 direct employment opportunities. Moreover, these startups have collectively generated a substantial revenue of 255.7 crore. MoU's signed with SBI, IIT Kanpur, and Social Alpha for facilitating funding support for startups.

The Agri India Meet, our annual event, brings together key stakeholders from the agricultural ecosystem to exchange ideas, explore collaborations, and stay abreast of the latest trends and innovations in the field.

File Description	Documents
Upload relevant supporting document	View File

3.3.2 - Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR), Entrepreneurship and Skill Development during the year

31	
3.3.2.1 - Total number of workshops/seminars conducted on Research methodology, Intellectual Property Rights (IPR), entrepreneurship, skill development year wise during the year	
31	
File Description	Documents
Upload the data template	View File
Upload relevant supporting document	No File Uploaded
3.3.3 - Number of awards / recognitions received for research/innovations by the institution/teachers/research scholars/students during the year	
3.3.3.1 - Total number of awards / recognitions received for research/innovations won by institution/teachers/research scholars/students year wise during the year	
81	
File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File
3.4 - Research Publications and Awards	
3.4.1 - The institution ensures implementation of its stated Code of Ethics for research	
3.4.1.1 - The institution has a stated Code of Ethics for research and the implementation of which is ensured through the following	A. All of the above
<ol style="list-style-type: none"> 1. Inclusion of research ethics in the research methodology course work 2. Presence of institutional Ethics committees (Animal, chemical, bio-ethics etc) 3. Plagiarism check 4. Research Advisory Committee 	
File Description	Documents
Upload relevant supporting document	View File

3.4.2 - The institution provides incentives to teachers who receive state, national and international recognitions/awards Commendation and monetary incentive at a University function Commendation and medal at a University function Certificate of honor Announcement in the Newsletter / website	A. All of the above
File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File
3.4.3 - Number of Patents published/awarded during the year	
3.4.3.1 - Total number of Patents published/awarded year wise during the year	
12	
File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File
3.4.4 - Number of Ph.D's awarded per teacher during the year	
3.4.4.1 - How many Ph.D's are awarded during the year	
105	
File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File
3.4.5 - Number of research papers per teacher in the Journals notified on UGC website during the year	
1	

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.4.6 - Number of books and chapters in edited volumes published per teacher during the year

3.4.6.1 - Total number of books and chapters in edited volumes / books published, and papers in national/international conference-proceedings during the year

108

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.4.7 - E-content is developed by teachers For e-PG-Pathshala For CEC (Under Graduate) For SWAYAM For other MOOCs platform For NPTEL/NMEICT/any other Government Initiatives For Institutional LMS

D. Any 2 of the above

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	No File Uploaded

3.4.8 - Bibliometrics of the publications during the year based on average Citation Index in Scopus/ Web of Science/PubMed

Scopus	Web of Science
17	Nil

File Description	Documents
Any additional information	No File Uploaded
Bibliometrics of the publications during the year	View File

3.4.9 - Bibliometrics of the publications during the year based on Scopus/ Web of Science

- h-Index of the University

Scopus	Web of Science
17	Nil

File Description	Documents
Bibliometrics of publications based on Scopus/ Web of Science - h-index of the Institution	View File
Any additional information	View File

3.5 - Consultancy

3.5.1 - Institution has a policy on consultancy including revenue sharing between the institution and the individual and encourages its faculty to undertake consultancy

The ICAR guidelines "ICAR RULES AND GUIDELINES FOR Professional Service Functions (Training, Consultancy, Contract Research and Contract Service)" delineates the policy framework for taking consultancy projects and consultancy research projects. The Guidelines gives the framework for sharing of consultancy charges among the Principal Investigators and research team and the Institution. The PME cell of Institute facilitates the interaction between industry and faculty members for taking up of the consultancy projects.

File Description	Documents
Upload relevant supporting document	View File

3.5.2 - Revenue generated from consultancy and corporate training during the year (INR in Lakhs)

3.5.2.1 - Total amount generated from consultancy and corporate training during the year (INR in lakhs)

2.13

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.6 - Extension Activities

3.6.1 - Extension activities in the neighbourhood community in terms of impact and sensitising students to social issues and holistic development during the year

Extension is one of the three mandates of the Institute. Each faculty spends 20 per cent of his/her time for extension activities. The prime extension activities are organizing 'Pusa Krishi Vigyan Mela' for 3-days in the month of March every year with kisan gosthi, hundreds of exhibitions by various agencies, and a foot fall of lakhs of farmers, extension professionals, students and other stakeholders. Institute implements the 'Mera Gaon Mera Gourav' programme in which each scientist is allotted a village within 100 km radius of the Institute and he/she regularly visits the village and offer extension services. Conducts result demonstration of crop varieties released by the Institute, in the farmers' fields. Need based, demand driven farmer training programmes are regularly organized by the Institute. Institute participates in the exhibitions organized by other agencies throughout the country. Institute publishes a Hindi farm magazine 'Prasar doot' providing farm information which is highly useful for the farmers. Institute handholds the students, youth and entrepreneurs to venture into start-ups of Institute technologies. Institute produces and sell seeds of IARI crop varieties to farmers across India through its Seed Production Unit, Agricultural Technology Information Centre and collaborating with State Agricultural Universities and Voluntary Organizations.

File Description	Documents
Upload relevant supporting document	View File

3.6.2 - Number of awards received by the Institution, its teachers and students from Government /Government recognised bodies in recognition of the extension activities carried out during the year

3.6.2.1 - Total number of awards and recognition received for extension activities from Government / Government recognised bodies during the year

14

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	No File Uploaded

3.6.3 - Number of extension and outreach programs conducted by the institution including those through NSS/NCC/Red cross/YRC during the year(including Government initiated programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. and those organised in collaboration with industry, community and NGOs)

2

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.6.4 - Total number of students participating in extension activities listed at 3.6.3 above during the year

15

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.7 - Collaboration

3.7.1 - Number of collaborative activities with other institutions/ research establishment/industry for research and academic development of faculty and students during the 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 during the year

24

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.7.2 - Number of functional MoUs with institutions/ industries in India and abroad for internship, on-the-job training, project work, student / faculty exchange and collaborative research during the year

28

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

4.1.1 - The institution has adequate facilities for teaching - learning. viz., classrooms, laboratories, computing equipment, etc.

Institute has excellent facilities for teaching and learning. In each Department one class room is equipped with LCD projector, computer, WiFi, interactive board state of the art laboratories. Institute has World class facilities like Nanaji Deshmukh Phenomics Lab, National Phytotron Facility, Soil and Water Analysis Lab, Automatic Weather Station, Satellite Image Analysis Lab, Food Quality Testing Lab, National Phytotron Facility, Central Seed Testing Laboratory, Herbarium Cryptogamae Indiae Orientalis (HCIO), National Pusa Insect Collection (1905), Indian Type Culture Collection of Fungi (1936), etc.

Discovery Centre: The Discovery Centre of ICAR-IARI was developed in 2020-2021. Laboratory with advanced equipment for advanced research in the field of agriculture. The laboratory was established under NAHEP CAAST on Genomics-Assisted Crop Improvement and Management. It is a student centric facility to provide a platform for strengthening educational and research activities of post graduate and doctoral students.

Beside the above mentioned teaching-learning and research facilities, during 2020-21 the institute has established virtual class room equipped with interactive digital board and rotating cameras, Digital interactive panels in Seminar rooms and auditorium, new LCD projectors in lecture rooms and seminar rooms and 86 inch smart TV with LAN and Wifi facility for webcasting.

In addition to that highly sophisticated equipment like high resolution NMR, LC-HRMS, LC-QTOF, RT-PCR, UV Transluminator, Horizontal electrophoresis system, Nitrogen analyzer etc. has been installed during 2020-21 for advanced research in teaching learning system.

File Description	Documents
Upload relevant supporting document	View File

4.1.2 - The institution has adequate facilities for cultural activities, yoga, games (indoor, outdoor) and sports. (gymnasium, yoga centre, auditorium, etc.)

The institute has four state of art gymnasium and regular yoga classes are organised in two place within campus. Institute has excellent facility for indoor and outdoor games (Football, Cricket, Basketball, Lawn tennis, Volley ball in sports ground). All the hostel have facilities for indoor games viz. Table tennis, Snooker facility, carrom board, badminton etc. IARI actively organizes the sports meet where students and faculty get to show their talents. Students participate in various sports activities.

The Institute encourages extra- curricular activities that enrich cultural, physical and social life of students. Spacious playgrounds are provided near the student hostels and necessary facilities exist for outdoor games like cricket, football, hockey, volleyball, tennis, badminton and various athletic events. There are facilities also for indoor games like Chess, Carom and Table Tennis in each hostel. There is a Students Sports Fund to which every student subscribes at the beginning of each academic year. Various yoga classes are organized free of cost from time to time.

Institute has four (4) auditorium, the main auditorium is named as Dr BP Pal auditorium is adjacent to Central Office. The auditoriums are also located at Water Technology Center, Nuclear Research Laboratory, Department of Plant Pathology, etc. All the auditoriums are fully airconditioned with projectors and audio-visual facilities.

All the above mentioned facilities are existing and maintained properly, no new facilities developed during 2020-2021.

File Description	Documents
Upload relevant supporting document	View File

4.1.3 - Availability of general campus facilities and overall ambience

IARI is a fully residential campus for the students. Institute

has five hostels for Boys, one for Girls and one for married students. Master of Halls of Residences is the head of the hostel facility in the campus.

These are spacious, well furnished hostels. Different messes use to serve the foods of different parts of India. Students use to enjoy foods according to their own food habits. Apart from hygienic foods, hostels provide recreational facilities including TVs, indoor games, book shop, hair dressing saloon, canteens, photo copy facilities, etc.

Institute has on campus residential facilities for faculty and staff and have three Guest Houses situated in the campus.

Central store (Kendriya Bhandar), Mother Dairy Booth, Amul Dairy Booth, Safal, Narmada Shopping Center are located in the Campus which cater to the day to day needs of the students, faculty members and staff. The campus is well connected with bus stop, metro station, railway station and airport. Institute is spread over an area of approximately 473 acres which is full of greenery throughout the year. The greenery and ambience of the campus attracts large number of people from nearby locations for morning and evening walk. The divisions are decorated gardens with flowering plants. The chirping birds in morning and evening, green crop fields and peaceful environment provide the residents to stay in one of the best place within overcrowded Delhi.

File Description	Documents
Upload relevant supporting document	View File

4.1.4 - Total expenditure excluding salary for infrastructure augmentation during the year (INR in Lakhs)

2846.18

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

4.2 - Library as a Learning Resource

4.2.1 - Library is automated using Integrated Library Management System (ILMS) and has

digitisation facility

Prof. M.S. Swaminathan National Agricultural Science Library, the largest agro-biological library in south-east Asia housing >5,00,000 publications comprising scientific journals, research bulletins, monographs, post-graduate theses and scientific reports. It has more than 2144 members which include students, scientists and technical staff. The library functions as the depository of FAO and CGIAR institutes' publications.

Acquisition Programme

Books: During 2020-21 the library received 2099 publications which includes 289 in Hindi books, 1360 English E- Books and 02 Advances & Annual Review. The library also acquired 126 gift publications, 147 IARI Thesis. Uploaded CDs of 175 Thesis (copy) in Krishikosh.

Serials: The Library received 1165 journals/serials, subscribed to 42 foreign journals and 68 Indian journals, 30 Newsletters, gifts 61 titles. Total 107 publications accessioned. Received 89 annual scientific/technical reports of different institutions and 18 bulletins in the library during report period. Library also procured 12 online journals.

Document processing: Total number of document processed 571 consisting of 289 books, 175 post-graduate IARI thesis, Bulletins 18 and 89 Annual Reports were processed (classifying and cataloguing).

Resource Management: Apart from 2144 active registered members, the library served 50 to 100 users per day who comes from different agricultural universities/ICAR Institutes. Registered 90 new members (15 staff and 75 students).

Document Delivery Service: Resource management section of library is providing a Document Delivery Services to different users of agricultural field through CeRA. Total number of hits 19,639, total login session 612, searches 5,683, full text and abstract views 3,369. Total number of request received 6 through CeRA and uploaded requested articles in J-Gate

File Description	Documents
Upload relevant supporting document	View File

4.2.2 - Institution has subscription for e-Library resources Library has regular subscription for the following: e – journals e-books e-ShodhSindhu Shodhganga Databases	B. Any 3 of the above
File Description	Documents
Upload relevant supporting document	View File
4.2.3 - Annual expenditure for purchase of books/ e-books and subscription to journals/e-journals during the year (INR in Lakhs)	
158.35951	
File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File
4.2.4 - Number of usage of library by teachers and students per day (foot falls and login data for online access)	
844	
File Description	Documents
Upload relevant supporting document	View File
4.3 - IT Infrastructure	
4.3.1 - Number of classrooms and seminar halls with ICT - enabled facilities such as LCD, smart board, Wi-Fi/LAN, audio video recording facilities during the year	
6	
File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File
4.3.2 - Institution has an IT policy, makes appropriate budgetary provision and updates its IT facilities including Wi-Fi facility	
AKMU (Agricultural Knowledge Management Unit) is responsible	

for all the networking activities provided to all the buildings, hostels and residences at IARI by 25 km fibre optic network connectivity spread across the campus.

ICAR-IARI, New Delhi has Unified Thread Management (UTM) firewall equipment alongwith its licences from Sophos (Model XG 430 appliances) for providing information security functions, such as packet filtering, proxy, intrusion detection and prevention systems, protection against malware, application control, etc., to IARI's LAN and servers at IARI Data Center. LAN Connectivity to the huge campus is provided by optical fiber cables (25 kms fibre cable) laid across the campus covering all divisions, guest houses, hostels, Web Server, Mail Server, Intranet Server, DNS Servers, DHCP Server, ERL Server, Egranth Servers (Krishi Kosh Digitalrepository), etc.. All the hostels are provided with wi-fi connectivity through wavion WBS-2400 devices. Internet services are being provided to scientists / researchers / students and other officials of the Institute.

The AKMU provides support and maintain the Online Examination Hall of ASRB Online NET exam. The infrastructure consists of 120 computers connected with LAN and high speed Internet connectivity along with power backup systems.

Data-Center hosts Web-services like IARI web-portal, Intranet services, DSSs, Digital Repository for whole NARS, Digital Library for NARES, Constant power supply has been given through two 20 KVA UPS backed up by a auto start generator. HP half blade servers (15 no.) are installed in the C7000 series chasis and hosting various activities.

File Description	Documents
Upload relevant supporting document	View File

4.3.3 - Student - Computer ratio during the year

Number of students	Number of Computers available to students for academic purposes
1597	1989

4.3.4 - Available bandwidth of internet connection in the Institution (Leased line)

- 500 MBPS - 1 GBPS

File Description	Documents
Upload relevant supporting document	View File
4.3.5 - Institution has the following Facilities for e-content development Media centre Audio visual centre Lecture Capturing System(LCS) Mixing equipment's and softwares for editing	A. All of the above
File Description	Documents
Upload relevant supporting document	View File
Upload the data template	View File
4.4 - Maintenance of Campus Infrastructure	
4.4.1 - Total expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component during the year	
12811.52	
File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File
4.4.2 - There are established systems and procedures for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc.	
<p>The institute IT cell is managed by team of IT experts lead by Incharge AKMU (Agri Knowledge Management Unit). The infrastructure at Data Centre of IARI is maintained through AMC of all the equipment available at Data Centre. The IT equipment for providing Internet services throughout the campus is also kept under AMC. The servers and data centre equipment are managed by System Administrator. The LAN maintenance is under the Network Administrator. The website and online application activities are managed by Website administrator.</p> <p>The institute has well established system and procedure for maintaining and utilizing physical, academic and support facilities-libraries, laboratory, sports complex, computers,</p>	

class rooms. Repair and maintenance of official, residential and hostel is done the Central Public Work department. In addition to CPW, Maintenance and Engineering unit (MEU Unit) of the Institute coordinates with the CPWD and also undertakes the repair and maintenance if it is urgent. Annual maintenance contract is done for maintaining the laboratory and IT equipments. Repair and maintenance of sports complex is done by CPWD. Post graduate students union (PGSSU) with support of Master of Halls (MoHR) office runs and operates the sports facilities. The institute library has a well established procedure for use by the faculty and students. Head library services are responsible for day to day maintenance of the library.

File Description	Documents
Upload relevant supporting document	View File

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

5.1.1 - Total number of students benefited by scholarships and free ships provided by the institution, Government and non-government agencies (NGOs) during the year (other than the students receiving scholarships under the government schemes for reserved categories)

418

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

5.1.2 - Total number of students benefited by career counselling and guidance for competitive examinations offered by the Institution during the year

77

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

5.1.3 - Following Capacity development and A. All of the above

skills enhancement initiatives are taken by the institution Soft skills Language and communication skills Life skills (Yoga, physical fitness, health and hygiene) Awareness of trends in technology

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

5.1.4 - The Institution adopts the following for redressal of student grievances including sexual harassment and ragging cases Implementation of guidelines of statutory/regulatory bodies Organisation wide awareness and undertakings on policies with zero tolerance Mechanisms for submission of online/offline students' grievances Timely redressal of the grievances through appropriate committees

- All of the above

File Description	Documents
Upload relevant supporting document	View File

5.2 - Student Progression

5.2.1 - Number of students qualifying in state/ national/ international level examinations during the year (eg:NET/SLET/GATE/GMAT/CAT/ GRE/TOEFL/Civil Services/State government examinations)

5.2.1.1 - Number of students who qualified in state/ national/ international examinations (e.g.: IIT-JAM/NET/SET/JRF/ GATE /GMAT /CAT/ GRE/ TOEFL/Civil Services/State government examinations) during the year

129

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

5.2.2 - Total number of placement of outgoing students during the year

77	
File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File
5.2.3 - Number of recently graduated students who have progressed to higher education (previous graduating batch) during the year	
59	
File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File
5.3 - Student Participation and Activities	
5.3.1 - Number of awards/medals won by students for outstanding performance in sports/cultural activities at inter -university/state/national/international events (award for a team event should be counted as one) during the year	
8	
File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File
5.3.2 - Presence of Student Council and its activities for institutional development and student welfare	
<p>The IARI has an active Students' Union known as Pusa Graduate School Students' Union (PGSSU), who puts forth major concerns of the students and issues related to them at different fora for their resolution and implementation. The Executive Committee of PGSSU comprises of following elected members: (i) President (ii) Vice President (Girl) (iii) General Secretary (iv) Games and Sports Secretary (v) Finance Secretary (vi) Social Cultural Secretary (vii) The student's representative to the Academic Council (viii) Five class representatives (ix) Literary secretary (Girl) (x) Alumni secretary (xi) Career Council and Placement Secretary. The Board of Studies (BOS) in</p>	

each discipline also has a students' representative, who actively takes part in the decision making in the matters pertaining to the various academic activities of that particular Discipline. Two student representatives are also appointed as member of the Academic Council.

The PGSSU representatives are also members of Standing Committee on Scholarships, Financial Assistance and Academic Progress, Standing Committee on Students Problems and Discipline, Welfare Board and Residences, Standing Committee on Courses, Curricula and academic affairs Students Welfare Fund is maintained in the PG School, IARI. The students are also members in the various committees for organization of annual events at the institute.

File Description	Documents
Upload relevant supporting document	View File

5.3.3 - Number of sports and cultural events / competitions organised by the institution during the year

2

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

5.4 - Alumni Engagement

5.4.1 - The Alumni Association/Chapters (registered and functional) contributes significantly to the development of the institution through financial and other support services during the year

The 'IARI Alumni Association' was registered under societies registration act in 1992. It has been created with a primary aim of networking its alumni and developing a sense of community amongst them. The institute is utilising the services of Alumni in various committees like Institute Research Council, Research Advisory Council, Quinquennial Review Team, etc. The Alumni are also being encouraged to join as Adjunct Faculty to strengthen teaching and research activities. The Alumni are also welcome to serve IARI as National Professor, Eminent Scientist, Eminent Professor, etc. The Alumni also form pool of resources for evaluation of thesis, external examiners of students' theses and for conducting Qualifying Examination.

The Alumni serving in various ICAR institutes, SAUs and Private Firms are welcome to take up collaborative or joint research projects. Besides, they are providing mentoring services to the current students at the institute. Through their rich experience they are helping the students to understand the requirements of various industries and educating them to plan and shape their career in right direction. During the convocation week celebration of the institute, alumni are invited for the convocation week celebration, and they share their memories and experiences during convocation dinner.

File Description	Documents
Upload relevant supporting document	View File

5.4.2 - Alumni contribution during the year (INR in Lakhs) E. <1Lakhs

File Description	Documents
Upload relevant supporting document	View File

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

6.1.1 - The institution has a clearly stated vision and mission which are reflected in its academic and administrative governance

The Institution has a clearly stated mission which is to provide visionary leadership for "Science-led sustainable and globally competitive agriculture for food, nutrition and livelihood security, through exploring new frontiers of science, developing human resources and policy guidelines for creating a vibrant, responsive and resilient agriculture". In order to accomplish this mission, the Institute has identified the following to fulfil its mandate to make Indian agriculture locally, regionally and globally competitive (www.iari.res.in):

1. To conduct basic and strategic research with a view to understand the processes, in all their complexity, and to undertake need-based research, leading to crop improvement and sustained agricultural productivity in harmony with the environment.

2. To serve as a centre for academic excellence in the area of

post-graduate education and human resources development in agricultural sciences.

3. To provide national leadership in agricultural research, extension, and technology assessment and transfer by developing new concepts and approaches and serving as a national referral point for quality and standards.

4. To develop information systems, add value to information and serve as a national agricultural library and database.

File Description	Documents
Upload relevant supporting document	View File

6.1.2 - The effective leadership is reflected in various institutional practices such as decentralization and participative management

The leadership of the Institute is unique in being decentralized and participatory at all levels of functioning. The administrative and technical head of IARI is its Director, who is supported and ably guided by The Board of Management. The Director Chairman is served by four Councils, namely, the RAC, Academic Council, Extension Council and Executive Council, which provide the overall management direction. The Director is assisted by four Joint Directors i.e., Joint Director (Research), Joint Director (Education) & Dean, Joint Director (Extension) and Joint Director (Administration). The Comptroller is in charge of auditing and accounts matters. Presently, the research, education, and extension activities of the Institute are carried out through a network of 20 discipline-based divisions, 2 multidisciplinary centres, 8 regional stations, 2 off-season nurseries, 10 centres of AICRP and a common set of service units.

The leadership is actively involved in the above-mentioned aspects through various decision-making bodies of the Institute, formal and informal meetings and students and regular visits to the fields and labs of various disciplines. In ensuring the organization's management system development in the following key activities:

1. Implementation and continuous improvement
2. Interaction with its stakeholders

File Description	Documents
Upload relevant supporting document	View File

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic plan is effectively deployed

The institute follows a professional and dynamic approach to managing the various academic and administrative activities through both decentralization and participative management. The Director of the institute gives adequate budgetary allocation of funds to the Joint Directors and Heads of Divisions along with the generous freedom and flexibility for their utilization to ensure full, independent and effective discharge of their responsibilities and functions. The HODs are empowered to sanction indents amounting to Rs 1 lakh. The Director conducts monthly meetings of the HODs to review the progress made and to chart out the future course of action. Similarly, at the divisional level a DBRC is constituted by including members from different categories of scientists as well as an Administrative Officer. The Professor of the Division is given full freedom to effectively utilize funds allocated for strengthening PG activities as per the GFR. The four standing Committees, IQAC, under the guidance of competent authorities, are involved in defining policies, procedures, framing guidelines and rules and regulations pertaining to admission, examination, discipline, grievance, support services, finance, etc. With the online system, in place, a smooth transitioning at all levels with quicker response times is ensured.

File Description	Documents
Upload relevant supporting document	View File

6.2.2 - The functioning of the institutional bodies is effective and efficient as visible from policies, administrative setup, appointment and service rules, procedures, etc.

The Institute has a strong in-built mechanism to monitor and keep effective and efficient all its policies related to administration, service rules and official processing. The Academic Council, being the Apex Statutory Body, along with its Standing Committees and Board of Studies in respective disciplines periodically reviews academic progress, while research and academic progress is reviewed by Institute Research Council (IRC) and Research Advisory Committee (RAC).

Periodic review is conducted three times in a year by Academic Council, once in a year by RAC, IRC and Extension Council. The recommendations of the RAC and /academic council are put up to ICAR for approval and the suggestions are used for refinement of the research projects. However, the institute has set up several empowered Committees to monitor and evaluate the post graduate courses and thus suggest corrective measures, wherever necessary. NAAC cell has also set up to digitize the information and provide a workflow for regular functioning of institutional activities encourages all its academic departments to function independently. However, to ensure accountability, some of the critical decisions on academics are made through Dean and Director to ensure coordination and accountability.

File Description	Documents
Upload relevant supporting document	View File

6.2.3 - Institution Implements e-governance in its areas of operations

6.2.3.1 - e-governance is implemented covering following areas of operation

1. Administration
2. Finance and Accounts
3. Student Admission and Support
4. Examination

A. All of the above

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

6.3 - Faculty Empowerment Strategies

6.3.1 - The institution has a performance appraisal system, promotional avenues and effective welfare measures for teaching and non-teaching staff

The Institute has a well-established, transparent and quantitative performance appraisal system. The performance is reviewed annually in the form of Annual Performance Assessment Report (APAR) at three levels i.e., officer reported upon, reporting officer and reviewing officer. Research activities

are reviewed through Institute Research Council (IRC) and Research Advisory Committee (RAC). Time bound promotional promotions are ensured through two tracks viz., direct recruitment at every level of the career and Career Advancement Schemes (CAS) at Departmental level. Encouraging the teachers to participate in training programmes, seminars, conferences, sports, recreational activities, etc., takes care of their professional as well as welfare spheres. The Institute has sports grounds, recreational clubs, Gymnasia, indoor and outdoor sports facilities such as badminton, tennis, basketball and volley ball courts.

The Institute facilitates this by empowering and enhancing the capabilities of its human resource at all levels, through professional and non-technical trainings. Faculty members can undergo 6-month training in any premier national institute of their choice. The faculty of the Institute also avail various fellowships to undergo short-term and long-term international trainings.

File Description	Documents
Upload relevant supporting document	View File

6.3.2 - Total number of teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the year

79

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

6.3.3 - Number of professional development / administrative training Programmes organized by the institution for teaching and non-teaching staff during the year

31

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

6.3.4 - Total number of teachers undergoing online/ face-to-face Faculty Development Programmes (FDP)during the year(Professional Development Programmes, Orientation / Induction Programmes Refresher Course, Short Term Course)

89

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institutional strategies for mobilisation of funds and the optimal utilisation of resources

The Institute is placed under the Crop Science subject matter division, which is a constituent unit of ICAR. The Institute is fully funded by both Plan and Non-Plan grant of Government of India. Additionally, the faculty are encouraged to apply for and also bring large number of external funded projects, in which 5-15% of recurring budget is given as Institutional charges. Further, substantial income is also generated through its revenue resources especially through Professional Service fee and income through commercialization of technology of intellectual property management. The Council also sets the target of resource generation/revenue receipts to Institute/Deemed University every year on the basis of its evaluation of Institute's resources base and potential. Apart from generation of revenue receipts, the Institute/Deemed University also generates "Surplus Fund" through Professional Service Fee and income from intellectual property management and commercialization of Transfer of Technology.

File Description	Documents
Upload relevant supporting document	View File

6.4.2 - Funds / Grants received from government bodies during the year for development and maintenance of infrastructure (not covered under Criteria III and V) (INR in Lakhs)

68440.18

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

6.4.3 - Funds / Grants received from non-government bodies, individuals, philanthropists during the year for development and maintenance of infrastructure (not covered under Criteria III and V)(INR in Lakhs)

84.03

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

6.4.4 - Institution conducts internal and external financial audits regularly

The Institute/Deemed university has a sound mechanism of Three Tier Audit viz. External Audit through the Office of Director General of Audit, Central Expenditure (C&AG), Internal Inspection through designated CA firm of ICAR headquarters and Internal Audit through Internal Audit Section of Finance Wing of IARI. There is a sound mechanism for the settlement of Audit Paras through the Audit Review Committee of the Council. The audited Balance Sheet, Income and Expenditure statements and Receipt and Payment accounts of the last four years have been submitted to ICAR headquarters & the same has been accepted. The committee thoroughly verifies the income and expenditure details, and the compliance report of the internal audit is submitted to the institution's management.

- External audit is conducted once every year by an external agency.
- External Audit is conducted by the C A. G. Office as per its Audit calendar.
- Internal Audit of the institute is conducted by the ICAR headquarter on yearly basis.
- Besides, the physical verification of the stores and divisional libraries is conducted in each division by an in-house committee constituted by HOD for the aforesaid purpose.

File Description	Documents
Upload relevant supporting document	View File

6.5 - Internal Quality Assurance System

6.5.1 - Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes by constantly reviewing the teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals

Internal Quality Assurance System is in place at various levels in the institute and is an ongoing and continual process. Academic audit of the Institute is a continuous process where the divisions' performances are discussed in the Institute Research Council and Research Advisory Committee meetings. During the convocation week, experts are called to evaluate the professors' presentations on faculty and student achievements. At the faculty level, there are meetings of the Board of Studies represented by all the Departments. Students' feedback is also considered and evaluated towards improvement in teaching and course content modulation. Therefore, sufficient checks are available for academic evaluation of the divisions' operations. Suitable measures/actions are taken by the Institute to implement the recommendations given by the experts at all levels. However, the institute is contemplating constituting an empowered cell to monitor and evaluate the postgraduate courses and thus suggest corrective measures wherever necessary.

Research and academic progress are reviewed by IRC and RAC through the PME Cell, which looks after the responsibilities of coordinating and monitoring the Institute's research activities, including the annual presentation of scientific work by the concerned scientist before the IRC/RAC.

File Description	Documents
Upload relevant supporting document	View File

6.5.2 - Institution has adopted the following for Quality assurance Academic Administrative Audit (AAA) and follow up action taken Confernces, Seminars, Workshops on quality conducted

A. Any 5 or all of the above

Collaborative quality initiatives with other institution(s) Orientation programme on quality issues for teachers and students Participation in NIRF Any other quality audit recognized by state, national or international agencies (ISO Certification, NBA)

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

6.5.3 - Incremental improvements made for the preceding during the year with regard to quality (in case of first cycle) Post accreditation quality initiatives(second and subsequent cycles)

The recommendations of the RAC and /academic council are regularly evaluated by ICAR towards their approval and the suggestions are used for refinement of the research projects.

Some of the major improvements made include:

The courses have been revised following the 5th Deans Committee Report BSMA (Broad Subject Matter Area) guidelines and new courses added, some revised, while some aspects merged to make learning more comprehensive and updated

- The outreach programme has been strengthened by recognizing more institutes as partners in academic activities, including teaching, inducting faculty as Research Guides for guidance of MSc/PhD students
- New courses have been added to broaden the knowledge of students with a view to inculcate soft skills

The students thesis research is better aligned with the research programme of Divisions and complementary to research projects of faculty towards better quality of research towards attaining Sustainable Developmental Goals (SDGs) and outputs in the form of technologies/patents etc.

File Description	Documents
Upload relevant supporting document	View File

INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities**7.1.1 - Measures initiated by the Institution for the promotion of gender equity during the year**

The institute has implemented a comprehensive array of measures to foster gender equity and sensitivity, on campus. Ensuring round-the-clock security, the institute maintains a dedicated security team to safeguard the well-being of women. To further enhance inclusivity, dedicated rooms are available for girl students. Furthermore, specific leadership positions such as Vice-President and Literary Secretary are reserved for female students in Graduate School Students Union, promoting their active participation in campus governance. The institute also prioritizes the welfare of employees with children, offering support through three daycare centers—Nehru Experimental Center, Udyan, Blossom, and Ankur, enabling balance between work and family responsibilities effectively. In efforts to empower women, the institute has organized numerous training programs tailored exclusively for female participants covering a diverse range of topics such as value addition, nutrition, health benefits, and income generation activities. Furthermore, the institute has demonstrated a commitment to gender diversity in leadership positions, with 20 women currently serving in various leadership roles including the Dean of IARI. The institute has established an Internal Complaints Committee (ICC) to address grievances related to gender-based discrimination or harassment promptly. The institute is registered on the SAKSHAM portal of UGC, actively contributing to the empowerment of women.

File Description	Documents
Upload relevant supporting document	View File
Annual gender sensitization action plan(s)	Nil
Specific facilities provided for women in terms of: a. Safety and security b. Counseling c. Common rooms d. Daycare Centre e. Any other relevant information	Nil

7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation Solar energy Biogas

A. Any 4 or All of the above

plant Wheeling to the Grid Sensor-based energy conservation Use of LED bulbs/ power-efficient equipment

File Description	Documents
Upload relevant supporting document	View File

7.1.3 - Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within 200 words) Solid waste management Liquid waste management Biomedical waste management E-waste management Waste recycling system Hazardous chemicals and radioactive waste management

Solar Photovoltaic Cells for electricity generation are installed at the roofs of various buildings. The Institute has well-knit protocols/ procedures for the collection and disposal of different kinds of wastes (chemical, biological, radioactive, universal and recyclable) from the laboratories, hostels and research farms. Institute Radiological Safely Office which operates takes care of the procurement of radioisotopes and biomolecules for research, collection of wastes on regular basis and its safe disposal in the designated protected area. The pesticide contaminated toxic waste and other related contaminated wastes generated from the laboratories are disposed-off on regular basis through safe disposal agencies. The Institute has installed bio-incinerator to manage hazardous laboratory waste. The facility with a capacity of 50 Kg/hour was created with IARI plan fund of Rs 18 lakh. The institute has got IBSC (Institute Bio-safety Committee) to scrutinize and approve applications related to research on GMOs including genome editing as directed by DBT, Ministry of Science and Technology, Government of India. The institute has designated solid waste disposal points located in residential as well as in various Divisions and offices where the solid wastes are collected and disposed off for final collection by Municipal Corporation of Delhi.

File Description	Documents
Upload relevant supporting document	View File

7.1.4 - Water conservation facilities available in the Institution: Rain water harvesting Bore well /Open well recharge Construction of tanks and bunds Waste water recycling Maintenance of water

A. Any 4 or all of the above

bodies and distribution system in the campus	
File Description	Documents
Upload relevant supporting document	View File
7.1.5 - Green campus initiatives include	
7.1.5.1 - The institutional initiatives for greening the campus are as follows: <ol style="list-style-type: none"> 1. Restricted entry of automobiles 2. Use of bicycles/ Battery-powered vehicles 3. Pedestrian-friendly pathways 4. Ban on use of plastic 5. Landscaping 	A. Any 4 or All of the above
File Description	Documents
Upload relevant supporting document	View File
7.1.6 - Quality audits on environment and energy are regularly undertaken by the institution	
7.1.6.1 - The institution's initiatives to preserve and improve the environment and harness energy are confirmed through the following: <ol style="list-style-type: none"> 1. Green audit 2. Energy audit 3. Environment audit 4. Clean and green campus recognitions/awards 5. Beyond the campus environmental promotional activities 	C. Any 2 of the above
File Description	Documents
Upload relevant supporting document	View File
7.1.7 - The Institution has a disabled-friendly and barrier-free environment Ramps/lifts for easy access to classrooms	A. Any 4 or all of the above

and centres. Disabled-friendly washrooms Signage including tactile path lights, display boards and signposts Assistive technology and facilities for persons with disabilities: accessible website, screen-reading software, mechanized equipment, etc. Provision for enquiry and information: Human assistance, reader, scribe, soft copies of reading materials, screen reading, etc.

File Description	Documents
Upload relevant supporting document	View File

7.1.8 - Describe the Institutional efforts/initiatives in providing an inclusive environment i.e. tolerance and harmony towards cultural, regional, linguistic, communal, socio-economic and other diversities (within a maximum of 200 words)

IARI campus represents a true example of 'Unity in Diversity'. It embodies faculty and students of almost all states of India, from different faith/religion, different cultural and food habits, and having different mother tongue. All coexists in absolute peaceful, friendly relations with harmony since the inception of the institute more than a century ago. Presently nine messes are operating in various hostels which cater the food requirements to the students of different food habits. The festivals like Diwali, Durga Puja, Ganesh Chaturthi, Saraswati Puja, Moharram, Eid are celebrated by the staff and the students having different faiths with great enthusiasm. Charitable work like free Covid-19 vaccination and testing camp, blanket distribution to economically weaker people, are also conducted by in the Nehru Experimental Centre located inside the campus by various socio-cultural organization existed in IARI campus on voluntary basis. The socio-cultural organization also provide education to the children of the labours working in different construction work of IARI. The institute is running weekly new 'Pusa Samachar' in three different languages -Hindi, Odia and Tamil and has till date completed 195 such events.

File Description	Documents
Upload relevant supporting document	View File

7.1.9 - Sensitization of students and employees of the institution to constitutional obligations: values, rights, duties and responsibilities of citizens:

In fostering a deep understanding of constitutional obligations among students and employees, our institution has implemented a multifaceted approach to instill core values, rights, duties, and responsibilities of citizenship. During Vigilance Awareness Week, a commendable 7,718 individuals actively engaged in activities aimed at promoting ethical conduct and integrity. Moreover, Voter's Day was celebrated in Institute with a pledge to uphold democratic principles and civic responsibility, commemorated Constitutional Day on November 26th, reaffirming our commitment to the foundational principles of our democracy and the rule of law, and observed Communal Harmony Week to promote unity and understanding among diverse communities, fostering an inclusive and peaceful society. To uphold academic integrity, 3,107 students embraced the Adoption of Anti-Plagiarism Policy, underscoring our commitment to originality and scholarly integrity. Courses such as PGS505 and ES611 equip students with the knowledge and skills to navigate complex ethical dilemmas while promoting sustainable practices. In addition to academic endeavors, our institution actively engages in community outreach programs such as "Mera Gaon Mera Gaurav (MGMG)," facilitating knowledge transfer and technology dissemination to empower farmers. Thus, our institution remains steadfast in its mission to sensitize students and employees to their constitutional obligations.

7.1.10 - The Institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic programmes in this regard. The Code of Conduct is displayed on the website There is a committee to monitor adherence to the Code of Conduct Institution organizes professional ethics programmes for students, teachers, administrators and other staff Annual awareness programmes on Code of Conduct are organized

Any 3 of the above

File Description	Documents
Upload relevant supporting document	View File

7.1.11 - Institution celebrates / organizes national and international commemorative days, events and festivals

Every year, a week long Convocation programme of the PG school of the Institute organized in February which include presentation of significant post graduate students' research, presentation of significant educational achievements by the professors of different disciplines, lectures by the recipients of institute awards and Lal Bahadur Shastri memorial lecture. Besides the institute celebrates and organizes the following commemorative days throughout the year: Republic Day on 26th January Independence Day on 15th August The Institute celebrated World Water Day on March 22, 2021 The Institute celebrated the International Women's Day in collaboration with Pusa Institute Ladies Association (PILA) in March 8, 2021. National Science day on February 28, 2021 IARI Foundation day: on April 1st IARI Jharkhand foundation day: on 28th June 2021 World Bee Day on May 20th, 2021 World Milk Day on June 1st , 2021 World Yoga Day on June 21st World Soil Day on 5th December B. P. Pal Memorial Lecture on 20th July, 2021 Teachers Day on 5th September The festivals like Diwali, Durga Puja, Ganesh Chaturthi and Saraswati Puja, Muharram and Eid are observed by the faculty and the students of different states with great enthusiasm.

File Description	Documents
Upload relevant supporting document	View File

7.2 - Best Practices

7.2.1 - Describe one best practice successfully implemented by the Institution as per NAAC format provided in the Manual

IARI Best Practice A : PUSA Decomposer Technology for agri-residue management

Objectives: IARI's Pusa Decomposer addresses India's 62 million tons of agri-waste by swiftly degrading crop residues, improving soil health, and reducing air pollution from burning.

Context: Crop residue burning harms soil microorganisms and nutrient levels. Pusa Decomposer's rapid decomposition enhances soil fertility, benefiting farmers and ecosystems.

The Practice: Pusa Decomposer, in liquid or capsule forms,

accelerates paddy straw decomposition post-harvest, enabling timely crop sowing.

Evidence of Success: Widely demonstrated in Punjab, Haryana, UP, and NCR Delhi,

Problems Encountered: Challenges include adherence to standard procedures and accessibility of machinery for widespread adoption.

IARI Best Practice B: PUSA Farm Sunfridge

Objectives: PUSA Farm Sun Fridge (FSF) provides affordable refrigerated storage for smallholder farmers, mitigating post-harvest losses and enhancing produce quality.

Context: Smallholder farmers suffer post-harvest losses due to inadequate cold storage and unreliable electricity.

The Practice: FSF, an off-grid, battery less system, employs evaporative cooling for efficiency.

Evidence of Success: Operational FSFs in Rajasthan, Haryana, and Delhi, along with a demo unit at IARI Exhibition ground, have garnered significant interest.

Challenges and Resources: Scaling up FSFs and creating more demonstration units require further research and funding.

7.3 - Institutional Distinctiveness

7.3.1 - Highlight the performance of the institution in an area distinct to its priority and thrust (within a maximum of 200 words)

The Indian Agricultural Research Institute (IARI), New Delhi focuses on agricultural research and education, particularly in crop breeding and variety development. Notable achievements include the release of improved wheat varieties like HD3171, HS562, and HW5207, as well as basmati rice varieties such as Pusa Basmati 1121, 1637, and 1728, contributing significantly to export earnings and farmer prosperity. To address Vitamin A deficiency, biofortified maize hybrids were introduced, along with the country's first double zero Indian mustard variety, Pusa Double Zero Mustard 31, and various pulse and vegetable varieties. Groundbreaking developments like the "Pusa

Decomposer" aid crop residue decomposition and soil fertility enhancement. Initiatives like SAMARTH, UPJA , and ARISE promote agri-entrepreneurship. The Institute engages in international collaborations, established the Advanced Centre for Agricultural Research and Education in Myanmar. Notable recognition includes the World Food Prize conferred on Prof. Rattan Lal. The Nanaji Deshmukh Plant Phenomics Centre and participation in programs like Mera Gaon Mera Gaurav reflect IARI's commitment to agricultural advancement. IARI secured projects worth Rs 184.78 crores, collaborating with multiple institutes in 78 projects, and acquired the CAAST project, receiving Rs 1999.68 lakhs for faculty and student research enhancement, while adding equipment worth Rs 603 lakhs.

7.3.2 - Plan of action for the next academic year

- Development of proposal for the initiation of UG programs, Sandwich programs, Self-Finance schemes, Induction of International Faculty, Diploma/certificate course as per the recommendations of the NEP-2020, for the consideration and approval of Academic Council.
- Strengthening PG Faculty by recognizing new faculty members for teaching and research guidance for seamless integration of UG programs in the existing PG and Ph.D. programs.
- Training of the PG faculty in the frontier and cutting edge areas to improve the quality of teaching and research guidance. Revision of guidelines for induction of faculty members in the PG faculty as well as for their recognition as Research Guides.
- Development of MOOCs for online and distance learning.
- Development and initiation of PG Diploma and certificate courses.
- Strengthening PG laboratories and modernising class rooms for imparting enhanced practical knowledge/experience and quality teaching to the students.
- Institution of New Awards for the students and faculty for their motivation and for promotion of research and academic excellence.
- Improving facilities for extra- and co-curricular activities for providing holistic education to the students.
- Accreditation of IARI by the National Agricultural Education Accreditation Board of ICAR.
- Submission of Self Study Report (SSR) for the second cycle for the purpose of NAAC Accreditation.

