

**DARE/ICAR Annual Report – 2023-2024**  
**National Agriculture Innovation Fund (NAIF)**  
**Component-I (Innovation Fund)**  
**(From 16<sup>th</sup> October, 2022 to 15<sup>th</sup> October, 2023)**

**1. Name of the Institute:** ICAR-Indian Agricultural Statistics Research Institute, New Delhi

**2. Specific Details of ITMU:**

Officer In-charge (Member Secretary)	:	Dr. Ajit Principal Scientist & Head (A) Statistical Genetics, ICAR- IASRI, New Delhi-110012, India
Contact Details of In-charge (E-mail ID & Cell Number)	:	E-mail: <a href="mailto:ajit@icar.gov.in">ajit@icar.gov.in</a> ; <a href="mailto:umaajitgupta123@gmail.com">umaajitgupta123@gmail.com</a> Mob: +91- 9415092880
Meeting(s) organized by ITMU ( <i>if any</i> )	:	Total Four ITMU Meetings have been Organized under the Chairmanship of Dr. Ajit, Head (A.) Statistical Genetics & Principal Scientist, ICAR- IASRI, New Delhi-110012 from 16 <sup>th</sup> October, 2022 to 15 <sup>th</sup> October, 2023. Details of the meetings are as follow:  One: 05.12.2022 Two: 13.09.2023 Three: 24.02.2023 Four: 25.05.2023
Attach the Copy of ITMU Meeting Proceedings ( <i>if any</i> )  ( <i>Attach the scanned copy of proceedings</i> )	:	Please see Annexure A

**3. Contractual Staff:**

- Number of person (in position): 01
- **Specific work done** (*Attach month wise separate sheet*)

S. No.	Name of Institute	Number of Person (in position)	Specific work done (from 16 <sup>th</sup> Oct-22 to 15 <sup>th</sup> Oct-2023)
1.	ICAR- Indian Agricultural Statistics and Research Institute, New Delhi	01(YP II) From 08.02.2022 to Continue.	<ul style="list-style-type: none"> <li>• Assisting in updating of the links at ITMU at IASRI website as required.</li> <li>• Assisted in drafting of 23 applications for granting Copyrights of software/publications.               <ol style="list-style-type: none"> <li>1. Online system of identifying and counting spikes in wheat plant 26750/2021-CO/SW</li> <li>2. SIREdAM: Systematic Information Resource for Dairy Animal Management 15421/2022-CO/SW</li> <li>3. BtChiLCVDb: Bemisia tabaci Asia II 1 transcriptome database in response to chilli leaf curl virus 15417/2022-CO/SW</li> <li>4. SCMVTDDB: Small cardamom Mosaic Virus Transcriptome Databse 15409/2022-CO/SW</li> </ol> </li> </ul>

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			<p>5. BSCM2TDb: Buffalo Subclinical Mastitis Methylo Transcriptome Database 15420/2022-CO/SW</p> <p>6. PMDIncRDB: Pearl Millet lncRNA Database 15415/2022-CO/SW</p> <p>7. WDRoTDB: Wheat Drought Root Transcriptome Database 15430/2022-CO/SW</p> <p>8. MiSNPDb: Mango SNP Database 15404/2022-CO/SW</p> <p>9. Halophile Protein Database(HProtDB) 3615/2023-CO/SW</p> <p>10. AhncRNAdb: Amaranthus hypochondriacus Noncoding RNA Database 8118/2023-CO/SW</p> <p>11. Web Generation of Generalized Row Column Designs(webGRC) 26765/2023-CO/SW</p> <p>12. Agricultural Universities Ranking System - AURS 26747/2021-CO/SW</p> <p>13. Krishi Vigyan Kendra Knowledge Network Portal - KVK Portal 26749/2021-CO/SW</p> <p>14. Millet SSR Database 26755/2021-CO/SW</p> <p>15. SCMVTDDB: Small cardamom Mosaic Virus Transcriptome Database 15409/2022-CO/SW</p> <p>16. AhncRNAdb: <i>Amaranthus hypochondriacus</i> Noncoding RNA Database 8118/2023-CO/SW</p> <p>17. SIREdAM: Systematic Information Resource for Dairy Animal Management 15421/2022-CO/SW</p> <p>18. Halophile Protein Database(HProtDB) 3615/2023-CO/SW</p> <p>19. MiSNPDb: Mango SNP Database 15404/2022-CO/SW</p> <p>20. Sweep Discovery Tool</p> <p>21. Design and development of software for abiotic stress-responsive annotated ESTs in major cereal crops (CerealESTDb)</p> <p>22. Informative gene selection tool(IGST)</p> <p>23. NaturePred: A tool for predicting class of Natural Products using advanced Artificial Intelligence techniques.</p> <ul style="list-style-type: none"> <li>• Involved in redesigning and developing the website of ITMU using CMS Drupal and made available at <a href="https://iasri.icar.gov.in/itmu/">https://iasri.icar.gov.in/itmu/</a> . It is being maintained and updated regularly.</li> <li>• Involved in uploading of files related to copyrights (82) in the name of Director, ICAR-IASRI in IPR Repository.</li> <li>• Assisted in annual report preparation and other file related work with proceeding.</li> <li>• Visited and assisting in correspondence work with Registrar Copyrights. Visited Department of Industrial Policy &amp; Promotion, Ministry of Commerce and Industry, Boudhik Sampada</li> </ul>
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			Bhawan, Plot No. 32, Sector 14, Dwarka, New Delhi-110075 <ul style="list-style-type: none"> <li>• Backup and Restore the database also updating the contents of website.</li> <li>• Other task assigned by ITMU In-Charge.</li> </ul>
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**4. Management of IP portfolio: (during Oct 2022 to Oct 2023)**

Total number of copyrights registered during the period: **18** registered (2022-23)

Total number of copyrights registered before **15.10.2022**: **64** registered

IPRs	Name of Institute	Application/Registration No.	Name of Innovation/Technology/ Product/ Variety	Date of Filing/Registration	Application Granted/Registered**
Patent	-	-	-	-	
Trademarks	-	-	-	-	
Copyrights	ICAR-Indian Agricultural Statistics and Research Institute	3615/2023-CO/SW	Halophile Protein Database(HProtDB)	24.07.2023	-
		8118/2023-CO/SW	AhncRNAdb: Amaranthus hypochondriacus Noncoding RNA Database	8.08.2023	-
		26765/2023-CO/SW	Web Generation of Generalized Row Column Designs(webGRC)	06.10.2023	-
		26747/2021-CO/SW	Agricultural Universities Ranking System - AURS	01.06.2023	SW-17092/2023
		26749/2021-CO/SW	Krishi Vigyan Kendra Knowledge Network Portal - KVK Portal	01.06.2023	SW-17093/2023
		26755/2021-CO/SW	Millet SSR Database	01.06.2023	SW-17090/2023
		15409/2022-CO/SW	SCMVTDB: Small cardamom Mosaic Virus Transcriptome Databse	01.06.2023	-
		15404/2022-CO/SW	MiSNPDb: Mango SNP Database	13.07.2023	-
		15421/2022-CO/SW	SIReDAM: Systematic Information Resource for Dairy Animal Management	13.07.2023	-
		26753/2021-CO/SW	BrassicaSatDb: Brassica Microsatellite Database	08.11.2021	SW-15347/2022
		26756/2021-CO/SW	SmCarTDB: Small Cardamom Transcriptome database	08.11.2021	SW-15348/2022
		20424/2021-CO/SW	Online generation of Incomplete Block Design	26.08.2021	SW-15545/2022
			Online generation of Orthogonal and Nested Orthogonal Latin Hypercube Designs	26.08.2021	SW-15546/2022
			VISTa app: Variety identifying system for triticum aestivum(wheat) mobile application	18.07.2022	SW-16057/2023
			WBMSTDb: Water Buffalo Mastitis Database	18.07.2022	SW-16058/2023
			DARE-ICAR Foreign Visit Management System	12.08.2021	SW-15526/2022
			Online construction and analysis of Incomplete Split Plot Designs	12.08.2021	SW-15337/2022
	ICAR - Personnel Management System (PMS)	12.08.2021	SW-15338/2022		

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			TpGBNVDb: Thrips Palmi transcriptome database in response to groundnut bud necrosis virus	18.07.2022	SW-16146/2023
			BuffGR: Buffalo Genomic Resource	18.07.2022	SW-16116/2023
			ICAR Education Portal 1.0	12.08.2021	SW-15339/2022
			BlackP2MSATDb: Black Pepper Polymorphic Microsatellite Database	18.07.2022	SW-16210/2023
			BPDRTDb: Black Pepper Drought Transcriptome Database	18.07.2022	SW-16204/2023
			Clusterbean SNPs and INDELS Repository (CbSIR)	27.03.2023	SW-16175/2023
Design	-				
Plant Variety	-				
Biological Material/ Strains/ Resources	-				
Any Other	-				

*\*\* Please mention granted application/ registration no (e.g. Patent No.; Trademark/ Design/ Plant Variety registration no.)*

**5. Commercialization of Technologies: NIL**

S No	Name of Institute	Name of Technology/ Know-How	IP Protection (Yes/ No)*	Name of Contracting Party	Mode of Partnership**	Date of Licensing	Revenue Earned (₹)

*\*If yes, please mention Patent Application No./ Trademarks Registration No./ PPV&FRA Registration No.*

*\*\*Note: (Mode of Partnership: eg. MoU/ MOA/ Licensing/Know-How etc.)*

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**6. Professional Services: Please see Annexure ‘B’**

S. No.	Name of Institute	Name of Technology/ Know-How/ Service Provided	IP Protection (Yes/ No)*	Name of Contracting Party	Mode of Partnership** <i>Consultancy/ Contract Service &amp; Research</i>	Date of MoU/MoA Signing	Revenue Earned (₹)
1.	ICAR-IASRI	Recruitment Management System for Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya (RMS-RVSKVV)	-	Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya (RVSKVV), Gwalior	Contract Research		4,62,986.00 (amount to be received)
2.	ICAR-IASRI	Study on reviewing the food loss index estimates for India and preparing assesment report for inclusion of the SDG indicator12.3.1 in the national indicator framework	-	FAO-Rome through FAO-India	Consultancy	11.11.2023	6,72,564.00

**7. Outreach Activities: NIL**

S. No.	Name of Institute	Programme Organized for Technology Commercialize/ Transfer*	Number of Participants	Venue of Event	Remarks
Any other initiative taken for commercialization					

*\*Note: Name of Industry Meet/ Interface Meet/ Business Meet/ B2B Meetings etc.*

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**8. Capacity Building in IP Management**

*8.1 Training/workshop/Seminar etc.) Attended:* Please see **Annexure ‘C’**

<i>S. No.</i>	<i>Name of Programme (Training/workshop/Seminar etc.) attended</i>	<i>Organized By (Name of Institute)</i>	<i>Date of Programme</i>	<i>Participant(Name)</i>

*8.2 Training/workshop/Seminar etc.) Organized:* Please see **Annexure ‘D’**

<i>S. No.</i>	<i>Name of Institute</i>	<i>Name of Programme (Training/workshop/Seminar etc.) Organized</i>	<i>Date of Programme</i>	<i>Participants (No) (Male and Female)</i>	<i>Type of Participants (Scientists/Scholars/ Farmers/Business People etc.)</i>

**9. Constraints/Suggestions/Feedback if any: -**

**10. Specific intervention required from IP&TM Unit: -**

**11. Success Story with good quality photographs**

**12. Any other activity (which not covered in above columns)**

**Photographs (Send in soft)**

*Note: Please send the information in MS Word or MS Excel. Please don't send Scan Copies.*

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**Annexure ‘A’**

Proceedings of ITMU meeting held on 05 December 2022

ICAR-Indian Agricultural Statistics Research Institute, Pusa, New Delhi  
Institute Technology Management Unit (ITMU)-Cell  
Proceedings of ITMU-Cell meeting held on Dated: **05<sup>th</sup> December, 2022**

Dated: 05<sup>th</sup> December, 2022

The meeting of ITMU-Cell was held on **05<sup>th</sup> December, 2022** to discuss the Copyright applications received. The following members were present

1. Dr. Ajit, Principal Scientist & In-charge-ITMU-Cell – Chairman-ITMU
2. Dr. Upendra Pradhan, Scientist & Member-ITMU
3. Sh. Manish Kumar, Technical Assistant (T-3) & Member Secretary-ITMU
4. Sh. Ravi Ranjan, Y.P. II
5. Sh. Malik Farman khat, Y.P. II

At the outset, Chairman welcomes all the members. Member Secretary informed that a total of one copyright application have been received in the cell. This application was discussed at length and the following points emerged as unanimous decisions.

SN	Details of copyright proposal received	Suggestions of ITMU-Cell
1.	<b>Halophile Protein Database (HProtDB)</b> Proposer: Dr. Mohammad Samir Farooq, Institute Involved: ICAR-IASRI	The members agreed that the case may be processed for submission to Copyright Office.  Action: Member Secretary

  
Dr. Ajit,  
Principal Scientist &  
In-charge-ITMU-Cell – Chairman-ITMU

  
Dr. Upendra Pradhan,  
Scientist &  
Member-ITMU

  
Sh. Manish Kumar,  
Technical Assistant (T-3) &  
Member Secretary-ITMU

Submitted for kind approval of Director, ICAR-IASRI please.







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Proceedings of ITMU meeting held on 24 February 2023

ICAR-Indian Agricultural Statistics Research Institute, Patna, New Delhi  
 Institute Technology Management Unit (ITMU)-Cell  
 Proceedings of ITMU-Cell meeting held on (Date): 24<sup>th</sup>, February 2023.

Date: 24<sup>th</sup> February, 2023

The meeting of ITMU-Cell was held on 24<sup>th</sup> February, 2023 to discuss the Copyright applications received. The following members were present:

1. Dr. Ajit, Principal Scientist & In-charge-ITMU-Cell - Chairman-ITMU
2. Dr. Upendra Pradhan, Scientist & Member-ITMU
3. Sh. Manish Kumar, Technical Assistant (T-3) & Member Secretary-ITMU
4. Sh. Malik Farman Khan, V.P. II

At the outset, Chairman welcomes all the members. Member Secretary informed that a total of two copyright applications have been received in the cell. This application was discussed at length and the following points emerged in unanimous decisions.


SN	Details of copyright proposal received	Suggestions of ITMU-Cell
1.	<b>Clusterbean SNPs and INDELS Repository(CbSIR)</b> Proposer: Dr. Sarika Saha, Institute Involved: IASRI, ICAR	The members agreed that the case may be processed for submission to Copyright Office.
2.	<b>AbnRNAdb: <i>Amaranthus hypochondriacus</i> Noncoding RNA Database</b> Proposer: Dr. Sarika Saha, Institute Involved: IASRI, ICAR.	Action: Member Secretary

  
 Dr. Ajit,  
Principal Scientist &  
In-charge-ITMU-Cell Chairman-ITMU

  
 Dr. Upendra Pradhan,  
Scientist &  
Member-ITMU

  
 Sh. Manish Kumar,  
Technical Assistant (T-3) &  
Member Secretary-ITMU

Submitted for kind approval of Director, ICAR-IASRI please.

  
 21/3/2023  
 24/2/23



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Proceedings of ITMU meeting held on 25 May 2023 Page 1

ICAR-Indian Agricultural Statistics Research Institute, Patna, New Delhi  
 Institute Technology Management Unit (ITMU)-Cell  
 Proceedings of ITMU-Cell meeting held on Date: 25<sup>th</sup> May, 2023

Date: 25<sup>th</sup> May, 2023

The meeting of ITMU-Cell was held on 25<sup>th</sup> May, 2023 to discuss the Copyright application received. The following members were present

- |  |                       |
|--|-----------------------|
| 1. Dr. Ajit, Head (A.), Statistical Genetics Division & In-charge-P.M.E. | Chairman-ITMU         |
| 2. Dr. Upendra Pradhan, Scientist,                                       | Member-ITMU           |
| 3. Sh. Manish Kumar, Technical Assistant (T-3)                           | Member-Secretary-ITMU |
| 4. Sh. Malik Farman Khan, Y.P. II  |                       |

At the outset, Chairman welcomes all the members. Member Secretary informed that a total of one copyright application has been received in the cell. This application was discussed at length and the following points emerged as unanimous decisions.

SN	Details of copyright proposal received	Suggestions of ITMU-Cell
1.	WEB GENERATION OF GENERALIZED ROW COLUMN DESIGNS (webGRC). Proposer: Dr. Anindita Datta, Institute Involved: IASRI, ICAR, CMFRE, IARI	The members agreed that the case may be processed for submission to Copyright Office.  Action: Member Secretary

*[Signature]*  
25/05/2023  
Dr. AJIT,  
Head (A.), Statistical Genetics Division &  
In-charge-ITMU-Cell – Chairman-ITMU

*[Signature]*  
25/05/2023  
Dr. Upendra Pradhan,  
Scientist &  
Member-ITMU

*[Signature]*  
25/05/2023  
Sh. Manish Kumar,  
Technical Assistant (T-3) &  
Member-Secretary-ITMU

Submitted for kind approval of Director, ICAR-IASRI please.

*[Handwritten note:]* Whether the work was carried out when Dr Arpan and Dr Eldho were at ICAR-IASRI or after they were transferred? on website Dr Eldho name is not included.



Dr. Arpan Bhowmik  
P.M. & E. Cell  
ICAR-IASRI  
Diary No.  
Date

*[Handwritten signature]*  
26/05/2023

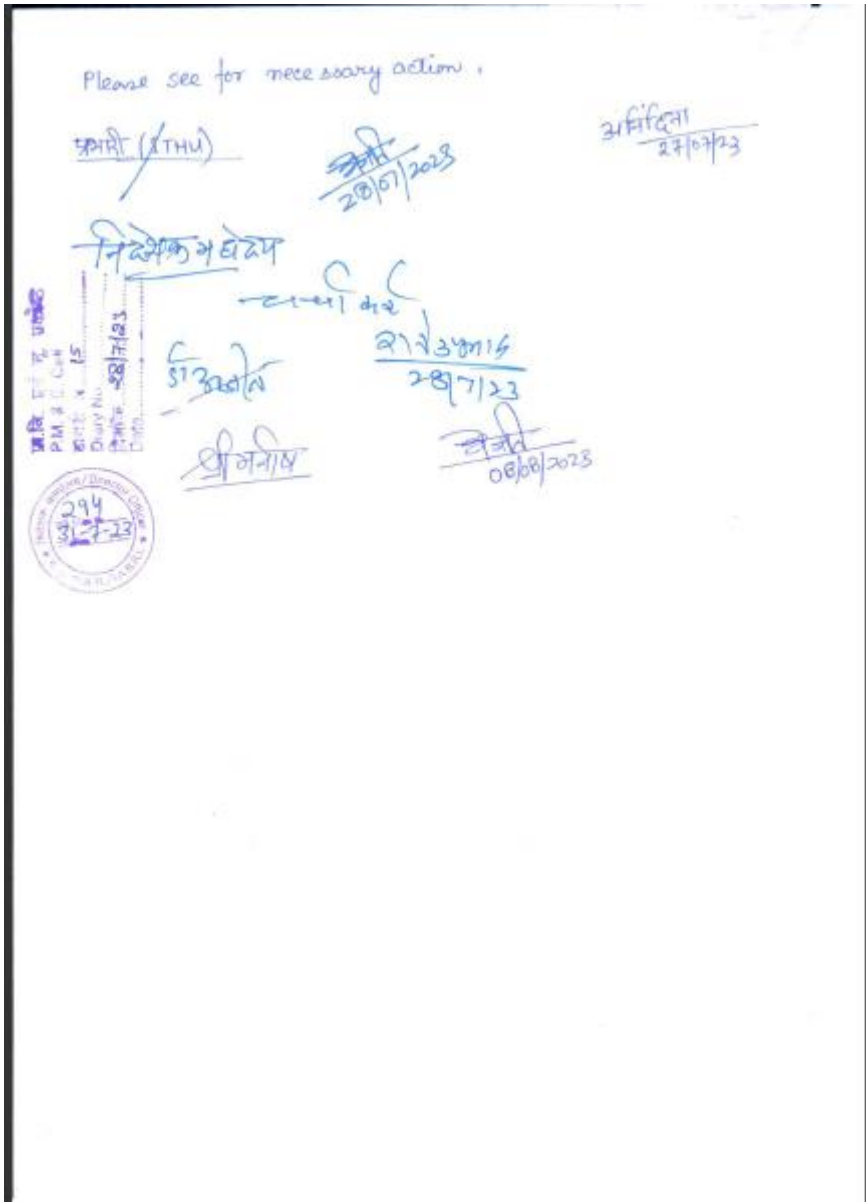
*[Handwritten signature]*  
26/05/2023

*[Handwritten signature]*  
26/5/23

The work was started when Dr. Eldho Varghese and Dr. Arpan Bhowmik were posted at ICAR-IASRI but it was published after their transfer. Dr. Eldho Varghese name has been updated in the contact us page.

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Proceedings of ITMU meeting held on 25 May 2023 Page 2



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Proceedings of ITMU meeting held on 13 September 2023

ICAR-Indian Agricultural Statistics Research Institute, Pusa, New Delhi  
 Institute Technology Management Unit (ITMU)-Cell  
 Proceedings of ITMU-Cell meeting held on Dated: **13<sup>th</sup> September, 2023**

Dated: 13<sup>th</sup> September, 2023

The meeting of ITMU-Cell was held on **13<sup>th</sup> September, 2023** to discuss the Copyright applications received. The following members were present

1. Dr. Ajit, Principal Scientist & In-charge-ITMU-Cell – Chairman-ITMU.
2. Dr. Upendra Pradhan, Scientist & Member-ITMU
3. Sh. Manish Kumar, Technical Assistant (T-3) & Member Secretary-ITMU
4. Sh. Malik Farman Khan, Y.P. II

At the outset, Chairman welcomes all the members. Member Secretary informed that a total of ~~one~~ <sup>four</sup> copyright application have been received in the cell. This application was discussed at length and the following points emerged as unanimous decisions,

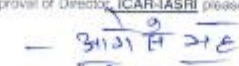
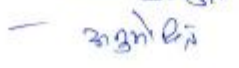
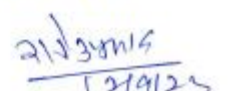
S.N	Details of copyright proposal received	Suggestions of ITMU-Cell
1.	<b>Design and development of software for abiotic stress-responsive annotated ESTs in major cereal crops (CerealESTDb)</b> Proposer: Mr. Sanjeev Kumar, Scientist Institute Involved: ICAR-IASRI	The members agreed that the case may be processed for submission to Copyright Office.  Action: Member Secretary
2.	<b>Sweep Discovery Tool</b> Proposer: Dr. Dwijesh Chandra Mishra, Senior Scientist Institute Involved: ICAR-IASRI	
3.	<b>Informative Gene Selection Tool (IGST)</b> Proposer: Dr. Dwijesh Chandra Mishra, Senior Scientist Institute Involved: ICAR-IASRI, ICAR	
4.	<b>NaturePred: A tool for predicting Class of Natural Products using advanced Artificial Intelligence techniques.</b> Proposer: Dr. Dwijesh Chandra Mishra, Senior Scientist Institute Involved: ICAR-IASRI	

  
 13/09/2023  
 Dr. Ajit,  
 Principal Scientist &  
 In-charge ITMU-Cell – Chairman-ITMU

  
 13/09/2023  
 Upendra Pradhan,  
 Scientist &  
 Member-ITMU

  
 13/09/2023  
 Manish Kumar,  
 Technical Assistant (T-3) &  
 Member-Secretary-ITMU

Submitted for kind approval of Director, ICAR-IASRI please.

—  continuous Notesheet  
 के अंतर्गत निम्न वर्गीकृत कार्य  
 —   
  
 13/09/23

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**Professional Service Functions: Please see Annexure B and Annexure D respectively.**

**Revenue Generated:**

- **From Consultancy/Consultancy Project/Contact Research:** ₹ 11,35,550.00 (Please see ‘Annexure B’)
- **From Training:** ₹ 2,57,611.6 (Please see ‘Annexure D’)

**Annexure ‘B’**

**Consultancy/ Contract research undertaken by ICAR-IASRI**

<b>Title/Subject/ Project/ Assignment/ Technology</b>	<b>Contracting Party (Name and Address)</b>	<b>Mode of Partnership* Consultancy/ Contract Service &amp; Research)</b>	<b>Budget Received or to be received (Rs.)</b>	<b>Institutional Expenditure (Rs.)</b>	<b>Institutional Earnings (Rs.)</b>	<b>Time Period</b>
Recruitment Management System for Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya (RMS-RVSKVV)	Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya (RVSKVV), Gwalior	Contract Research	₹ 13,84,123/-	-	₹ 4,62,986/-*	Date of start: 25/09/2023 Date of completion: 24/08/2024 (one year)
Study on reviewing the food loss index estimates for India and preparing assesment report for inclusion of the SDG indicator12.3.1 in the national indicator framework	FAO-Rome through FAO-India	Consultancy	₹ 14,47,369/-	-	₹ 6,72,564/-	Date of start: 11.11.2022 Date of completion: 10.05.2023 (five months)

\*Amount is yet to be received as project will get completed by 24/08/2024.

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**Annexure ‘C’**

**Training/workshop/Seminar etc.) Attended:**

<b>S.No.</b>	<b>Name of Programme (Training/workshop/Seminar etc.) attended</b>	<b>Organized By (Name of Institute)</b>	<b>Date of Programme</b>	<b>Participant (Name)</b>
1.	Developing a Diverse, Robust AI Workforce .	Indian Institute of Science, Bengaluru	10.11.2022	Dr. Alka Arora
2.	Airborne Hyperspectral Remote Sensing for Agriculture"	World Bank and ICAR funded NAHEP-CAAST project at ICAR-IARI, New Delhi.	16-25, January 2023	Dr. Pankaj Das
3.	Centre of Advanced Faculty Training (CAFT) on Computational Biology and its Applications in Agriculture	ICAR-IASRI, New Delhi	February 21- March 02, 2023	Dr. Prakash Kumar
4.	Centre of Advanced Faculty Training (CAFT) on Computational Biology and its Applications in Agriculture	ICAR-IASRI, New Delhi	February 21 to March 02, 2023	Dr. Sukanta Dash
5.	"Intensive GS & Modern Experimental Design"	International Rice Research Institute, Philippines.	13-24, February 2023	Dr. Susheel Kumar Sarkar
6.	Centre of Advanced Faculty Training (CAFT) on Computational Biology and its Applications in Agriculture	ICAR-IASRI, New Delhi	February 21- March 02, 2023	Dr. Raju Kumar
7.	National Training Workshop on "Big Data Analytics in Agriculture" (Online Mode)	ICAR-NAARM, Hyderabad	09-10, March 2023.	Dr. Sneha Murmu
8.	Training programme on 'Multivariate Data Analysis' in on-line mode	ICAR-IASRI, New Delhi	20-27, March 2023.	Dr. Soumya Sharma
9.	International Training programme on Theoretical and Practical Aspects of Genomic Approaches for Utilization of Crop Genetic Resources	CIMMYT-BISA, Ludhiana and ICAR-NBPGR, New Delhi	28-31, March 2023	Dr. Neeraj Budhlakoti
10.	Making a secure and resilient workplace.	CPRI, Shimla	22-24, February 2023	Megha Chopra
11.	Sensitization workshop on NAHEP Component 2 activities.	Academic Management System at MPKV, Rahuri	July 24-26, 2023	Dr. Rajendra Parsad
12.	Eighth National Conference on Computer Vision, Pattern Recognition, Image Processing and Graphics (NCVPRIPG 2023)	IIT Jodhpur, Rajasthan	July 21-23, 2023	Dr. Chandan Kumar Deb
13.	Global Food Regulators Summit	Food Safety and Standards Authority of India (FSSAI), New Delhi, Ministry of Health and Family	July 20-21, 2023	Dr. Deepak Singh
14.	eHRMS 2.0 Demonstration cum Training	DoPT, Govt. of India	5 <sup>th</sup> July 2023	Dr Mukesh Kumar, Dr. K. K. Chaturvedi, Dr. S.B. Lal, Mr. Sanjeev Kumar
15.	webinar on "Navigating Cyber security Challenges in the Era of Digital	National e-Governance Division (NeGD), MeitY in collaboration with Wadhvani	20 <sup>th</sup> July 2023	Md. Samir Farooqi

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	Transformation”, by Shri Gulshan Rai, Cyber Security Expert.	Institute of Technology & Policy		
16.	10th National Review Conference & 7th National Level Monitoring Committee Meeting (NLMC) of Pradhan Mantri Fasal Bima Yojana (PMFBY) via online mode at Westin Resorts Himalayas Narendra Nagar (Near Rishikesh), Uttarakhand.	Agriculture Insurance Company of India (AIC)	26-27 August, 2023	Dr. Ankur Biswas
17.	SPoCs of Blended Learning Platform	ICAR-IASRI New Delhi and world bank	2-4 <sup>th</sup> August, 2023.	Dr. Soumen Pal
18.	ICAR-IASRI exhibiting Virtual Reality technology to the farmers community.	Ministry of Agriculture and Farmers Welfare, held at the residence of the Hon'ble Agriculture & Farmers Welfare Minister Shri Narendra Singh Tomar, on the occasion of 77th Independence Day	On 77th Independence Day. (August -15 <sup>th</sup> 2023)	Dr. Sudeep Marwaha, Dr. Chandan Kumar Deb, Dr. Md. Ashraful Haque
19.	Harnessing the Opportunities for Collaboration in Food Policy Research and Capacity Building” during ICAR-IFPRI Workplan.	IFPRI, at NASC Complex, New Delhi	4 August, 2023	Dr. Girish Kumar Jha
20.	FSSAI Global Food Regulators Summit	Food Safety and Standards Authority of India (FSSAI), New Delhi, Ministry of Health and Family	July 20-21, 2023.	Dr. Dinesh Kumar
21.	26th National Conference on e-Governance “Theme- Viksit Bharat-Empowering Citizens”	Government of India, Department of Administrative Reforms and Public Grievances & Ministry of Electronics and Information Technology, Department of Information Technology in collaboration with Government of Madhya Pradesh of Bhopal & Indore.	24 – 25, August, 2023	Dr Mukesh Kumar
22.	CSISA-ICAR-KVK Workshop	NASC Complex, New Delhi	27 <sup>th</sup> September, 2023	Dr. Alka Arora, Dr. Soumen Pal
23.	Rabi Conference on “Digital initiative & Crop estimation”	NASC Complex, New Delhi	26 <sup>th</sup> September, 2023	Dr. Tauqueer Ahmad
24.	online workshop on “Celebrating Statistics in Memory of Professor C.R. Rao”	ICAR-IASRI New Delhi	10 <sup>th</sup> September, 2023	Dr. Tauqueer Ahmad, Dr. Prachi Misra Sahoo, Dr. Rahul Banerjee, Dr. Bharti, Dr. Pankaj Das, Dr. Ankur Biswas
25.	First Global Symposium on Farmers Right 2023	ITPGRFA, FAO, Rome and hosted by Ministry of Agriculture and Farmer’s welfare, Govt. of India	12 <sup>th</sup> September, 2023	Dr. Prachi Misra Sahoo, Dr. Rahul Banerjee, Dr. Bharti,



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				Dr. Deepak Singh, Dr. Raju Kumar, Dr. Ankur Biswas
26.	6th CWSS International Conference on Agricultural Innovations for Sustainable Development Goals with Special Focus on Natural Farming (AISDGONF-2023)	FACC, Kalyani, Nadia	30 <sup>th</sup> September 2023-2 <sup>th</sup> October-2023	Dr. Ritwika Das
27.	“कृषि एवं प्रतिदर्श आँकड़ों के विश्लेषण हेतु सांख्यिकीय सॉफ्टवेयर का अनुप्रयोग” विषय पर एक 8 दिवसीय ऑन-लाइन हिन्दी कार्यशाला में सहभागिता”	ICAR-IASRI New Delhi	06 से 13 सितम्बर 2023	Dr. Susheel Kumar Sarkar, Dr. Sukanta, Dash, Dr. Anindita Datta, Mohd Harun
28.	‘Artificial Intelligence-Powered Manuscript Editing: Improving Clarity and Readability’ during the two-day National Conference on “Generative AI in Practice for Empowering Agricultural Research Productivity”	ICAR-National Research Centre for grapes, pune	September 11-12, 2023	Dr. Sneha Murmu
29.	National Training Workshop on “ <b>Big Data Analytics in Agriculture</b> ” (Online Mode)	ICAR-NAARM, Hyderabad	09-10 March, 2023	Sarika Sahu

**‘Annexure D’**

**Training/workshop/Seminar etc. Organized:**

S N	Name of Institute	Name of Programme (Training/workshop/Seminar etc.) Organized	Date of Programme	Participants (No) (Male and Female No)	Type of Participants (Scientists/Scholars/ Farmers/Business People etc.)	Revenue Generated
1.	ICAR-IASRI, New Delhi	Data Analysis and Interpretation” for 45 <sup>th</sup> batch of Indian Statistical Service (ISS) probationers	24 July-04 August 2023	Total:27	Indian Statistical Service (ISS) probationers attended the training	Rs.161611.64
2.	ICAR-IASRI, New Delhi	Data Science in Agriculture	4-15 September 2023	Total: 90 Male: 51 Female: 39	ICAR institutes, SAU’s and other institutes.	Rs.94000/-
3.	ICAR-CAFRI, Jhansi	Agroforestry for increasing Farmers Income	17-19, October - 2022	25 F-15 M-10	Farmers	
4.	ICAR Institutes and Universities	Metagenomic Data Analysis	8-21, October 2022	33 M-17 F-16	Scientists	

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5.	ICAR- IASRI, New Delhi	Prominent Statistical tools for Data Science in Agriculture using R and Python	09- 29th November 2022	25 F-9 M-16	Trainee	
6.	Education Culture Upliftment Trust in New Delhi	NAHEP component-2	17-19, 2022 November	-	Scientists	
7.	ICAR- IASRI, New Delhi	Advances in Statistical Techniques for Efficient Agricultural Experimentation	11-31, January 2023	Total :25	Person from ICAR Institutes/SAUs	
8.	ICAR- IASRI, New Delhi	Python for Artificial Intelligence in Agriculture	2-11 February 2023	Total:23	Person from ICAR Institutes/SAUs	
9.	ICAR- IASRI, New Delhi	"E-Governance applications in ICAR for Technical Personnel"	22-28, February 2023	Total:45	Technical Person from ICAR Institutes	
10.	ICAR- IASRI and World Bank in hybrid mode	International Conference on Blended Learning Ecosystem for Higher Education in Agriculture (ICBLE-2023)	21-23 March 2023	Total :3000 Online/Offline mode	International Participants .	
11.	ICAR- IASRI, New Delhi	"सरकारी काम-काज को हिन्दी में करने के लिए ई-टूल्स तथा राजभाषा नियम] अधिनियम की जानकारी"	30 मई, 2023	Total:26	Administrative Staff of IASRI	
12.	ICAR- IASRI, New Delhi	"कृषि में सांख्यिकीय और मशीन लर्निंग तकनीक का परिचय"	06-12 June 2023	Total:25 Male:16 Female:9	Scientist Technical Staff	
13.	ICAR- IASRI, New Delhi	"Indian Workshop on Applied Deep Learning"	during 12- 16 June 2023	Total:105	Persons from IIT and BITS Pilani	
14.	ICAR- IASRI in collaboratio n with Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya, Gwalior- RVSKVV	Analysis of Agricultural Data using Statistical and Data Mining	11-20 <sup>th</sup> July,2023	Total :225+ Trainee.		
15.	ICAR- IASRI, New Delhi	"R and Statistical Analysis"	19-21 July 2023	Total:19 People.		



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16	ICAR- IASRI, New Delhi	Sensitization Workshop On Introduction To Virtual Reality Modules For Students Of Agricultural Universities	5-7 July 2023.	46 Agricultural Universities actively participated, with over 1480 enthusiastic students attending the same.	Agriculture University Staff	
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