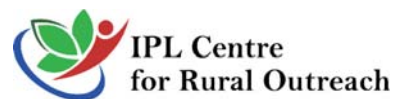


HANDBOOK FOR
ICRO
AMRIT INTERNSHIP
PROGRAMME



FIRST MEETING OF ADVISORY COMMITTEE
OF
IPL CENTRE FOR RURAL OUTREACH (ICRO)

28 JULY 2022
ICRO CONFERENCE HALL



for Rural Outreach
Conference Hall

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IPL Centre
for Rural Outreach



IPL CENTRE FOR RURAL OUTREACH (ICRO)
HANDBOOK FOR ICRO AMRIT INTERNSHIP PROGRAMME

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Forward

Agriculture is an important sector of the Indian economy employing the largest share of workforce and providing food and nutrition security to the nation. Agriculture sector in India has shown good growth during the pandemic which signifies its resilient nature. India faces the challenges of both increasing farm productivity & sustainability and adaptability to climate change. In wake of emerging challenges, we need to focus on sustainability through the food system and build long term resilience in the agri value chain resulting in improving farmers income.

Indian Potash Limited (IPL), a major player in multiple value chains and inputs, is steadfastly contributing and marching towards agrarian growth and farmers' prosperity in India. The dedicated field work of IPL has lead to acceptance of potash across India which was unknown to Indian farmers earlier. IPL has a vast network and its services are being coordinated by 15 Regional Offices in various State capitals. This enables IPL to take any agri input or service literally at the doorstep of farmers in the six lakh villages across the country thereby contributing to their growth and development.

With an objective to foster rural outreach and capacity development of farmers and youth, IPL has joined hands with National Productivity Council (NPC), an apex organization established in 1958, under Ministry of Commerce & Industry, Government of India, to generate productivity awareness and consciousness across the country by providing solutions for improving productivity and competitiveness through different services, namely consultancy, training, action research, evaluation studies etc.

IPL and NPC have jointly established **IPL Centre for Rural Outreach (ICRO)** with the involvement and technical expertise of NPC as part of its Corporate Social Responsibility and have launched the **ICRO Amrit Internship Programme**. The Amrit Internship Programme is a unique internship programme for youth in the rural areas. The Amrit e-learning modules have been specially designed to give an overview of the agriculture scenario in the country with a focus on agriculture productivity and sustainability. The modules include useful and practical information of cropping practices, innovation technologies, schemes of Government of India and the State Government etc. The modules which are simple and accessible would be a value addition to the existing body of knowledge of the intern.

This handbook has been brought out for the convenience of the intern as it gives an overview of the internship programme and steps to be followed to register on the online portal, access e-learning modules and collection of farmers' feedback on the online platform.

Each intern is expected to reach out to 100 farmers during the period of internship. The outreach programme of ICRO will cover 60,000 farmers Pan India by end of March, 2024. Through this three months internship programme, I am sure that the intern will be exposed to learning experiences and new skills making them more employable and also promote entrepreneurial ideas and opportunities. The contribution of interns during the period will be valuable and give us firsthand insights to field level practical issues and also the overall local agro-climatic scenario. I wish all the interns a successful completion of their internship programme.

Dr. Rajeev Ranjan
Director, ICRO

INSTRUCTION TO AMRIT INTERN FOR THE RURAL OUTREACH PROGRAMME

This internship program is designed to provide hands-on experience to intern of the real challenges faced in various facets of agriculture and rural development. During the internship, the intern will put to use their academic learning for real-life contexts. Interns will obtain experience in their field and acquire skills, which are helpful in their professional life. The guideline to be followed during the internship period is briefly as under:

- i. The Intern is required to read the terms and conditions of the Amrit Internship Programme brochure thoroughly. (Annex-A)
- ii. Interns will apply for the Internship Programme on the online portal. (Annex-B)
- iii. The Intern has to study the eLearning module and attempt the Assessment Questionnaire. (Annex-C).
- iv. The present internship programme is offered for a specific project under the supervision of the Mentor or Programme Executive.
- v. The intern will execute any project assigned to them during the internship period.
- vi. The intern is required to updates the Mentor/ Programme Executive of her/his project progress weekly/fortnightly and submit a brief report.
- vii. **Interaction with farmers:** The Intern has the responsibility to keep up the reputation of IPL/NPC and strictly adhere to the following:
 - While approaching the farmer, the Intern will first greet the farmer and all present followed by introducing himself/herself showing the Identity Card provided by ICRO.
 - The Intern should be polite at all times and behave in a respectable manner.
 - Pay careful attention to what the farmer says and note down all details carefully.
 - Answer all queries and in case the intern does not have the said information, to specifically indicate that he/she will get back with the required information. Intern will not offer his opinion.
 - Have a positive attitude and show gratitude.
 - Always be attired in proper clothing.
 - Be open to feedback.
 - In case of doubt, get in touch with the Mentor/Project Executive.

- viii. Towards the end of the internship, the intern will submit a progress report and feedback of the internship programme.
- ix. Intern should take care of and will be responsible for his/her own safety, health, and wellbeing while travelling.
- x. All correspondence will be made to email-ID of ICRO (icroipl@gmail.com).
- xi. Intern will provide Bank details in the following format:

Name	*As per in the Account
Bank Name	
Branch Address	
Account No.	
IFSC Code	
MICR Code	
PAN No.	

DETAILS OF ICRO AMRIT INTERNSHIP PROGRAM

Indian Potash Limited (IPL), a major player in multiple value chains and inputs, is marching towards agrarian growth and farmers' prosperity. The dedicated field work of IPL has led to acceptance of potash across India which was unknown to Indian farmers earlier. IPL has a vast network and its services are being coordinated by 15 Regional Offices in various State capitals. This has bestowed an enviable status on IPL to take any agri input or service literally at the doorstep of farmers in the six lakh villages across the country thereby enabling their growth and development.

With an objective to foster rural outreach and capacity development of farmers and youth, IPL has joined hands with National Productivity Council (NPC), an apex organization established in 1958, under Ministry of Commerce & Industry, Govt. of India, to generate productivity awareness and consciousness across the country by providing solutions for improving productivity and competitiveness through different services, namely consultancy, training, action research, evaluation studies etc.

IPL has established IPL Centre for Rural Outreach (ICRO) with the involvement and technical expertise of NPC as part of its Corporate Social Responsibility and has launched **ICRO Amrit Internship Programme** focused on youth productivity for prosperity.

OBJECTIVES OF THE ICRO AMRIT INTERNSHIP PROGRAM

- To promote productivity related employment enhancing vocational skills among youth and rural people.
- To create awareness about enhancement of agriculture productivity.
- To create network of youth entrepreneurs with skills to work with rural settings.
- To work towards improvement of knowledge resources on youth interface.
- To ensure environmental sustainability and conservation of natural resources.

PLACE OF INTERNSHIP

- The interns will be placed at Headquarter and Regional Offices of NPC/ IPL

ELIGIBILITY

- The applicant for the internship should be a citizen of India having Aadhar.
- Class 12th Pass / Diploma holders / Graduates / Final Year Graduation pursuing candidates can apply. Preference will be given to candidates having agriculture or related sector's qualification.
- Applicants in the age group of 18-45 years can apply.

DURATION:

- The duration of internship will be 3 months initially which can be renewed up to 4 times.
- The internship program shall be available throughout year. The terms and conditions of internship shall be effective from the date of joining by the interns.

STIPEND

- The selected intern shall be entitled for Rs. 6,000/- per month as stipend during the period of internship.
- No payment towards transportation and other allowance etc. shall be paid to the interns.

CERTIFICATE

- The interns will be issued an internship completion certificate upon successful completion of internship.

PROCEDURE FOR APPLICATION AND SELECTION

- The applicant will apply for the ICRO Amrit Internship Programme online on NPC website www.icroamrit.npcindia.gov.in
- The applicant is required to upload a letter of recommendation in the prescribed format from their institute / college / university / establishment along with the application.
- Applicants will be selected based on the recommendations of committee set up by NPC/IPL
- Placement of interns will be made at Head office and regional offices of NPC / IPL depending upon the preference of interns and requirements of offices concerned.

CODE OF CONDUCT

- The Interns should demonstrate sincerity, punctuality, courtesy, cooperative attitude, willingness to learn, proper etiquette, appropriate attire and maintain the workplace decorum during their entire internship period.
- The interns are expected to perform the assigned tasks/ duties to them with due care and diligence in accordance with the instructions given to them from time to time.
- The Interns shall be required to submit a project/assignment report/paper at the end of their internship to the concerned Head(s) regarding their learning experience.

NON-DISCLOSURE

- The interns shall not, either during the internship period or after expiration of this internship, disclose any proprietary or confidential information relating to the services, contract or business or operations of NPC / IPL/ ICRO or its clients, whatsoever and to whosoever, without seeking prior written consent of NPC / IPL / ICRO and in case of violation of the same, NPC / IPL/ ICRO may take necessary action as deemed fit and proper. Any liability arising out of violation of this condition shall squarely rest with intern.

TERMINATION

- NPC / IPL / ICRO may terminate any intern's engagement/ program at any time, as deemed fit in cases of discipline, or misconduct, without assigning any reason. Decision of NPC / IPL / ICRO shall be final in this regard.

- An intern can leave the programme, if she/he so desires, giving prior notice of seven (07) working days to the concerned Head. However, no certificate shall be awarded to such Interns.

GENERAL CONDITIONS:

- The internship programme shall neither be an employment nor the assurance of any employment with NPC / IPL / ICRO.
- The internship offer will be based on the information furnished by the interns in their respective application and resume and otherwise will be null and void if a material error is discovered at any point of time.
- The interns shall acknowledge and ensure that no information about the software, hardware, database and the policy of the NPC / IPL / ICRO is taken out in any form including electronic form or otherwise by them.
- During the course of internship and upon its completion, the intern shall have no claims on IPL / NPC / ICRO whatsoever.

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DETAILS OF ONLINE APPLICATION FORM

ANNEX-I

APPLICATION FOR INTERNSHIP

Upload recent
passport size
photograph

Name	
Date of Birth (DD/MM/YYYY)	
Identity Proof Number (Aadhaar / Passport / Voter ID/PAN)	
Gender	
Email-ID	
Nationality	
Address	
Pin code	
Mobile	
Area of expertise	
Educational Qualification:	
Education Qualification (Highest)	--Select--
Name of course being persued at present	<input type="text"/>
Name of the Institution/ College/ University	<input type="text"/>
Total internship period applied for (in months)	<input type="text"/>

Important instructions- Kindly upload scanned pdf of the letter of recommendation from the Institute/College/ University / Establishment / NPC Office / IPL Office for internship as per Annex-II

Declaration

I certify that the above information furnished by me is true to the best of my knowledge and belief. I also agree that in the event of any misrepresentation and / or falsification of information, my internship shall be liable for termination without any further notice that may deem fit to initiate.

I also certify to abide by the prescribed terms and conditions for the ICRO Amrit Internship Programme during my internship period.

I understand that for undergoing the internship and upon its completion, I shall have no claims on IPL / NPC / ICRO whatsoever

<p>Place: <input type="text"/></p> <p>Date: <input type="text"/></p>	<p align="center">Signature of applicant</p>
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RECOMMENDATION BY THE INSTITUTE/COLLEGE/ UNIVERSITY/ESTABLISHMENT/ NPC OFFICE /
IPL OFFICE FOR IPL-NPC AMRIT INTERSHIP PROGRAMME

To,
Head IPL Centre for Rural Outreach (ICRO),
NPC Building,
5-6 Institutional Area, Lodi Road, New Delhi - 110003
Email: icroipl@gmail.com

Sir,

Considering the information given by with Aadhar number _____in his / her application for ICRO Amrit Internship Programme he / she is recommended for the internship based on my verification and personal knowledge about the applicant.

Signature with Seal

Name:
Designation:
Email ID
Mobile No:

Place:
Date:

HOW TO APPLY FOR THE INTERNSHIP PROGRAMME

The applicant will apply for the IPL Amrit Internship programme on the online portal. The step-by-step process is as under:

- Log on to National Productivity Council website:
<https://www.npcindia.gov.in/NPC/User/index>
- Click on Amrit Internship Programme. You will be directed to
<http://www.icroamrit.npcindia.gov.in>.
- Click on New Registration and fill the form. In your case, IPL/ KVK/ Authority Concerned have recommended your internship. So in the field "Do you have recommendation letter" kindly click Yes. Always remember your password.

← → ↻ Not secure | icroamrit.npcindia.gov.in/Register.aspx

IPL Centre
for Rural Outreach

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आज़ादी का
अमृत महोत्सव Log in

ICRO Amrit Internship Registration

Furnish accurate information, as it will be used for contacting you.

Name *

Email ID *

Date of birth *

Mobile number *

Do you have recommendation letter? * Yes No

Enter Password *

Re-enter Password *

* Mandatory fields

Register

- Your user name is your email address.

- Proceed to next section. Please keep the following ready for uploading:
 - Passport size photo in JPG/JPEG format size less than 2 MB
 - Letter of recommendation in PDF format size less than 2 MB
 - Mark sheet or Certificate of Qualification in PDF format size less than 2 MB.

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HOW TO ACCESS E-LEARNING COURSE

The following step-by-step process to the access of the assigned e-learning course by intern as part of the online internship orientation program.

1. The intern can register for the e-learning course by Clicking on the **Register button/ Tab**, in the following the link:

https://www.npcindia.gov.in/NPC/Homes1/e-learning/registration?course_id=Mzcy=

The intern needs to fill in their respective particulars' / details in the eLearning registration form provided.

2. Click on Submit Button/ tab on successful submission of intern details in the eLearning registration form.
3. After clicking on Submit button, e-learning Registration Number will be generated.
4. After registration, intern can login to (<https://www.npcindia.gov.in/NPC/Homes1/e-learning/login>) (with his/her registered email id and Date of Birth (DOB) to access the assigned eLearning course. (No.11- Training Module for Amrit Interns)
5. Click on **My Courses tab** for the assigned e-learning course. (No.11- Training Module for Amrit Intern).
6. After Click on My Courses, Click on **Launch button** to start the e-Learning Course.
7. On clicking the Launch button, the intern will be redirected to the modules of the said eLearning courses. Click **Read button** for study material.
8. On completion of the e-learning course, the Intern is required to attempt the assessment questionnaire by clicking on **Start button**. In case the Intern scores less than 70% marks, they have two more attempts to improve their score.

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Training Module for Amrit Inters

Module	Topic and Key Take Aways	Contents	Duration (in minutes)	Category
I	General Introduction of Programme ✓ About ICRO, IPL and NPC ✓ Overview of Amrit Internship Programme ✓ General Requirements for participating in Programme ✓ Other Activities of ICRO	1. https://docs.google.com/presentation/d/19c-gDzGr-alGz8x9y5PygeH1tH9V3Jkij/edit?usp=sharing&oid=104895662277249373194&rtopof=true&sd=true (Presentation on AMRIT Inters) 2. https://drive.google.com/file/d/1IsKiU7S-Uzi3wLFZdrYYmQ-Y4GoFcz0AHM/view?usp=sharing (Brochure)	60:00	Essential
II	About Indian Agriculture ✓ About Production and Productivity of Different crops ✓ Types of cropping cycle ✓ Indian Agriculture vis-à-vis global Agriculture. ✓ Role of Agriculture in GDP of India ✓ Type of Farming ✓ Issues with Indian Agriculture ✓ Comparison between India and other countries on Productivity of different crops ✓ Farm land Holding	3. भारतीय कृषि। Agriculture in India in Hindi ख़ाद्यान्न फसले। ।Geography MCQs Quiz - YouTube	24:54	Essential
		4. ‘Doubling Farmers’ Income’ - YouTube	13:55 (Audio)	Essential
		5. भारत में कृषि Indian Agriculture Indian Geography study vides official - YouTube	41:37	Essential
		6. Bhartiya Krishi Ki Samsyaein / भारतीय कृषि की समस्याएं - YouTube	12:03	Essential
		7. Feature of Indian Agriculture/ भारतीय कृषि की विशेषता. - YouTube	12:56	Essential
		8. Agriculture Role in Indian Economy Farmers Day खेती का देश के विकास में महत्वपूर्ण योगदान - YouTube	9:34	Optional
		9. indian agriculture qk in hindibharat ki krishi one liner mcq uppcs sscgl 2017 exams Part 1 - YouTube	14:07	Optional
		10. What will the future of agriculture look like? (E) (indiascience.in)	30:37	Optional
		11. L18: Characteristics & Problems – Indian Agriculture IndianGeography (UPSC CSE – Hindi) – YouTube	58:22	Optional
		III	Cropping Practices ✓ Monsoon and Indian Agriculture ✓ Understanding of Different Cropping Season	12. DD Kisan's special program on Agriculture sector KRISHI DARSHAN] - YouTube
13. Understanding Cropping Seasons in India Kharif, Rabi, Zaid Factly - YouTube	3:01			Essential


	<ul style="list-style-type: none"> ✓ Types of Crops ✓ Cropping System ✓ Sowing and Harvesting of crops ✓ Use of Agriculture machinery, ✓ Fisheries, poultry etc. ✓ Right crop management practices ✓ Nutrition Management ✓ Insect management 	<p>14. Crops and Cropping system adopted in India Part – 1 (Hindi/English)Agricultural Field Officer – YouTube</p> <p>15. Integrated Farming System Model (Hindi Video) Integrated Farming InIndia - YouTube</p> <p>16. Mixed farming बिना लागत खेती Mixed Farming in Hindi OrganicFarming Contributor - YouTube</p> <p>17. Contract Farming अनुबंध कृषि अनुबंध कृषि - क्या है फायदेमंद या नहीं - YouTube</p>	<p>19:28</p> <p>3:46</p> <p>11:00</p> <p>4:43</p>	<p>Essential</p> <p>Essential</p> <p>Essential</p> <p>Optional</p>
IV	<p>Green Revolution</p> <ul style="list-style-type: none"> ✓ Need of Green revolution post independence ✓ Important components of Green Revolution and its impact on Indian Agriculture ✓ Green Revolution and Future Challenges ✓ Challenge of Food security 	<p>18. The Green Revolution: India's Independence and Scientific Community(H) (indiascience.in)</p> <p>19. Green Revolution of India भारत की हरित क्रांति - YouTube</p> <p>20. #Green Revolution in India Green Revolution भारत मे हरित क्रांति Harit Kranti - YouTube</p>	<p>26:39</p> <p>20:27</p> <p>23:53</p>	<p>Essential</p> <p>Optional</p> <p>Optional</p>
V	<p>Agriculture Technology Practices</p> <ul style="list-style-type: none"> ✓ Importance of Agriculture Technology ✓ Different types of technology based farming system ✓ Popular Technologies widely used inAgriculture ✓ Farm Mechanization and its impact onAgriculture economics 	<p>21. Agriculture and Technology - To The Point Special - YouTube</p> <p>22. KRISHI DARSHAN: DD Kisan's program on advanced technology in Agriculture sector - YouTube</p> <p>23. Farming Technology (H) (indiascience.in)</p> <p>24. Farm Mechanisation in India (Hindi)- Doubling farmers income -YouTube</p> <p>25. AGRITECH SHOW on Biofortified Crops - YouTube</p>	<p>9:12</p> <p>30:05</p> <p>24:22</p> <p>25:30</p> <p>11:13</p>	<p>Essential</p> <p>Essential</p> <p>Essential</p> <p>Optional</p> <p>Optional</p>
VI	<p>Innovative technologies</p> <ul style="list-style-type: none"> ✓ Use of IT in agriculture ✓ Applications of IoT in Smart Agriculture ✓ About Precision Farming ✓ Enhancing production, reducing harvesting time and reduction in investment ✓ About Multilayer farming or vertical farming. 	<p>26. AGRITECH SHOW on Internet of Things and Smart Agriculture -YouTube</p> <p>27. परिशुद्धता कृषि Precision farming परिशुद्धता खेती Fine cultivation mgspe 11 political science - YouTube</p> <p>28. AGRITECH SHOW on Multilayer Farming - YouTube</p> <p>29. AGRITECH SHOW on Protected Cultivation - YouTube</p> <p>30. AGRITECH SHOW on Hydroponics - YouTube</p>	<p>11:57</p> <p>16:17</p> <p>11:41</p> <p>9:11</p> <p>14:44</p>	<p>Essential</p> <p>Essential</p> <p>Essential</p> <p>Essential</p> <p>Optional</p>
	<ul style="list-style-type: none"> ✓ Why it is required? ✓ How it can be done? ✓ Management of multilayer farming. ✓ Government assistance in establishment of multilayer farming. ✓ About protected cultivation. ✓ Why it is required? ✓ How it can be done? ✓ Investment on establishment of Structure for protected cultivation. ✓ Management of protected cultivation 	<p>31. Vertical Farming - Why It Is Important ? Vertical Farming In India in hindi - YouTube</p> <p>32. यह है असल में स्मार्ट फार्मिंग Fasal Smart Farming Technology in India - YouTube</p> <p>33. AGRITECH SHOW on Smartphone Sensor Technology - YouTube</p> <p>34. 2022 में अब होगी सटीक और स्मार्ट फार्मिंग Fasal Smart Farming System A to Z Indian Farmer - YouTube</p>	<p>8:45</p> <p>13:05</p> <p>11:47</p> <p>11:13</p>	<p>Optional</p> <p>Optional</p> <p>Optional</p> <p>Optional</p>

		Management Crop Rotation Class 8 - YouTube		
		56. AGRITECH SHOW on Vermi Bed Technology for production of VermiCompost - YouTube	12:00	Optional
		57. What is Organic Agriculture with Full Information? - [Hindi] - QuickSupport - YouTube	9:09	Optional
		58. AGRITECH SHOW on Biofertilizer - YouTube	11:44	Optional
IX	Post Harvest, Cold Chain and Agriculture Marketing <ul style="list-style-type: none"> ✓ Harvest of crop and right time ✓ Storage practices 	59. Crop Storage उत्पादन का सही भंडारण कैसे करें Kisan Production and Management - YouTube	7:42	Essential
		60. Value Addition: Agro Produce (H) (indiascience.in)	28:25	Essential
		61. Agricultural Marketing in India - YouTube	51:56	Essential
	<ul style="list-style-type: none"> ✓ Pre treatment of Storage place ✓ About value addition ✓ About GI ✓ Value addition of orange, starfruit, tamarind, soyabean and pineapple ✓ Overview on Agriculture Marketing ✓ Basic facilities needed for agriculturmarketing ✓ Government measures in Agriculturemarketing 	62. कृषिविग्न (Agriculture Marketing) By- Dr. Harsh Mani Singh Indian Economics IAS, PCS, NET/JRF - YouTube	10:54	Essential
		63. Food Safety (E) (indiascience.in)	60:19	Optional
		64. How we do Wheat harvesting and storage: II Krishi Darshan II 26 April 2019 - YouTube	25:20	Optional
		65. National Agriculture Market eNAM special - YouTube	55:34	Optional
		66. Minimum Support Price What is MSP in Agriculture - IN NEWS IDrishti IAS - YouTube	25:06	Optional
X	Agri Start ups and Entrepreneurship <ul style="list-style-type: none"> ✓ What is start up ✓ Contribution (%) of start up ✓ Global scenario of start up ✓ Scope of Start up in Sorting, Grading ✓ In adulteration, ✓ One stop shop/kiosks, alternate use of paddy straw baler, Technology for biocontrol, enhancing the agriculture productivity 	67. Agricultural Startups Part 1 - YouTube	22:03	Essential
		68. https://youtu.be/60YD5jsSimo (Top 10 Agritech Startups Empowering Indian Farmers)	4:06	Essential
		69. Profitable Agri Startups Business Ideas- (Part-2) (Hindi) - YouTube	8:19	Essential
		70. छोट Kisanो और Startup को RBI ने दी राहत, RBI ने आसान किए नियम, आसानी से मिलेगी पैसा KisanBulletin - YouTube	10:37	Optional
XI	Agriculture & Rural Development Schemes of Govt. of India/State Govts1. <ul style="list-style-type: none"> ✓ Brief of Govt. of India Schemes supporting Agriculture ✓ New Schemes introduced during last 5 years ✓ Rashtriya Krishi Vikas Yojna ✓ Mahatma Gandhi National Rural Employment Guarantee Scheme ✓ Kisan Credit Card Scheme 	71. Govt Schemes for Agriculture in India - YouTube	40:26	Essential
		72. Latest Government Schemes for Agriculture Government Schemes by PM Narendra Modi - YouTube	36:18	Essential
		73. #RashtriyaKrishiVikasYojana राष्ट्रीय कृषि विकास योजना I - YouTube	2:37	Essential
		74. MGNREGA - Sarkari Yojanayen - YouTube	3:01	Essential
		75. Kisan Credit Card (Hindi) - YouTube	5:49	Essential
		76. किसान क्रेडिट कार्ड (Kisan Credit Card) क्या है और कैसे मिलता है KCC Benefits of KCC - YouTube	6:40	Essential

		77. Krishi Darshan : Welfare scheme being run by Agriculture Department - YouTube	24:54	Optional
		78. https://youtu.be/3HuBEzPjZl (Initiatives in Agriculture & Allied Sector for Mitigating farmers distress -New India Sankalp (Video))	58:16	Optional
		79. Krishi Darshan - Vermicompost and Pradhan Mantri Kisan SAMPADAYojana special - YouTube	24:44	Optional
XII	Horticulture and Floriculture and other allied areas <ul style="list-style-type: none"> ✓ Concept of Integrated Horticulture Development ✓ Fruits that can be combined for integrated Horticulture Development ✓ Government Schemes supporting Horticulture and Floriculture Development and opportunities 	80. एकीकृत समन्वित बागवानी योजना II Krishi Darshan , 05:30 PM , 1 Jan 2020 - YouTube	24:57	Essential
		81. https://youtu.be/WfGYU6CKk9A (सघन बागवानी से आमदनी ही आमदनी)	15:58	Essential
		82. Floriculture Farming in India फूलों की खेती Floriculture Business - YouTube	7:45	Essential
		83. krishi Darshan (Solar Energy Schemes in Agriculture) - YouTube	24:28	Optional
XIII	Animal Husbandry, Dairying & Fisheries <ul style="list-style-type: none"> ✓ Dairy Farming ✓ Dairy Farm Management and Best Practices ✓ Opportunities in Dairy and Fisheries ✓ Best Practices in Dairy and Fisheries for better productivity ✓ About Pradhan Mantri Matsya Sampada Yojna (PMMSY) 	84. Pashupalan Times: Steps in Animal Husbandry - 3 Min - YouTube	3:11	Essential
		85. पशुपालन - भाग 1 - डेयरी फार्म Dairy farm - in Hindi - YouTube	4:02	Essential
		86. Dairy Farm Management - YouTube	6:49	Optional
		87. Dairy Calf Management - YouTube	15:03	Optional
		88. Dairy farming Hindi Access Madhyapradesh - YouTube (Case Study)	11:52	Optional
		89. AGRITECH SHOW on Clean Milk Production Process - YouTube	11:55	Optional
		90. AGRITECH SHOW on Quality Control Technology for Milk Testing - YouTube	12:01	Optional
		91. PM launches 'Pradhan Mantri Matsya Sampada Yojana' to transform the fisheries sector - YouTube	2:38	Essential
XIV	Farmer Producer Organisations <ul style="list-style-type: none"> ✓ Concept of Farmer Producer Organisation and its relevance ✓ Advantages from FPOs ✓ Various Benefits for Farming through FPOs ✓ Govt. of India Assistance for FPOs 	92. FPO Kya Hai किसान उत्पादक संगठन Farmer Producer Organization PM Kisan PM Kisan Yojna - YouTube	25:11	Essential
		93. https://youtu.be/4Vbh0hp0IP4 (About FPOs-SFAC)	44:16	Optional
		94. https://youtu.be/gNutRAqRnYU (FPO-SFAC)	10:04	Optional
		✓ Success stories of FPOs		
XV	Agriculture Risk Management and Climate Resilience <ul style="list-style-type: none"> ✓ Climate Change and its impact on Agriculture ✓ About Crop Insurance Schemes ✓ Pradhan Mantri Fasal Bima Yojna ✓ Climate resilient cropping practices 	95. Climate resilient farming (Hindi June 2013) - YouTube	6:11	Essential
		96. Climate Resilient Agriculture जलवायु अनुकूल कृषि #ClimateChange #GlobalWarming #JaiJeevanHariyali - YouTube	6:42	Essential
		97. Fasal Bima फसल बिमा Fasal Bima Yojana In Hindi Prime Minister Crop Insurance Scheme - YouTube	3:01	Essential

		98. Climate Change & Indian Farmers (H) (indiascience.in)	23:08	Essential
		99. (Hindi) Pradhan Mantri Fasal Bima Yojana - YouTube	11:46	Essential
		100. What is PMFBY प्रधान मंत्री फसल बिमा योजना क्या है? - YouTube	2:03	Optional
		101. Crop Insurance Schemes PMFBY & RWBCIS explained, What new changes are introduced by the government? - YouTube	17:37	Optional
		102. Pradhan Mantri Fasal Bima Yojana - YouTube	6:36	Optional
		103. Climate Smart Agriculture in India जलवायु अनुरूप कृषि Climate Resilience Adaptation - YouTube	6:04	Optional

Other References:

1	Crop Specific Practices		Maize Cultivation.pptx Paddy Cultivation.pptx Potato Cultivation.pptx Suagrcane Cultivation.pptx Wheat cultivation.pptx		Optional
2	Notes on Basic Agriculture		hess404.pdf (ncert.nic.in) Chapter 4.pmd (ncert.nic.in)		Optional
3	Farmer Portal		Farmer Portal : Home Page		Optional
4	Agri Schemes		NABARD - National Bank For Agriculture And Rural Development		Optional
5	Mobile Applications		https://farmer.gov.in/mobileappsdownload.aspx		Optional
6	Other Relevant videos		स्वस्थ मृदा से बनेगा स्वस्थ भारत। By डॉ. यू. एस. तेवतिया। इंडियन पोटाश लिमिटेड, नई दिल्ली - YouTube	23:07	Optional
			Kisano के लिए IPL (Indian Potash Limited) का तोहफा पोषकतत्वों का खजाना "पॉली हैलाइट" (Polyhallite) - YouTube	06:51	Optional
			Kisano के लिए बाजार में उतरा IPL का नया प्राकृतिक उर्वरक : Indian Potash Limited : Green YouTube	19:02	Optional
			ट्रेन्च विधि से गन्ना बोन के फायदे By डॉ. यू. एस. तेवतिया। इंडियन पोटाश लिमिटेड, नई दिल्ली - YouTube	07:26	Optional
			Kisan समझे Potash का महत्व Sanjeev Kr Chaudhary, Indian Potash Ltd On Green TV - YouTube	02:10	Optional
			एक आँख के गन्ने की बुवाई से लाभ By डॉ. यू. एस. तेवतिया। इंडियन पोटाश लिमिटेड, नई दिल्ली - YouTube	10:13	Optional
			फसल Fasal उत्पादन में पोटाश का महत्व पोटाश तत्व का महत्व Importance Of	05:21	Optional

		Potash YouTube		
7	Farmer Friendly Handbook	FFH201819_Hindi.pdf (agricoop.gov.in)		Optional
8	A Handbook of Govt. Schemes	Handbook_Schemes_Prog_Hin.pdf (agricoop.gov.in)		Optional
9	State wise Farmer Friendly Handbook	https://farmer.gov.in/handbooks.aspx		Optional
10	IEC material	https://drive.google.com/drive/folders/1a5k1WakO1x7Y7vdOUgrkKAhFJsLqLBak?usp=sharing		Optional
		https://drive.google.com/drive/folders/1H6z3nZtpO4SiDt2IIGNm2mymTPCkw08?usp=sharing		Optional

QUESTIONNAIRE FOR DATA COLLECTION FROM FARMERS

I. General Information

1. Name of Farmer
2. Mobile No.
3. Address of Farmer
4. Name of Village
5. Block/District/State/...../.....
6. Level of Education- Illiterate/ Primary/ Middle /High School/ Inter/ Degree/ P.G
7. Gender Male/Female
8. Caste General/ OBC/ SC
9. Total Land holding (Ha/Acre/Bigha/Katta/.....)
 - (a) Irrigated. (Ha/Acre Bigha/Katta/.....)
 - (b) Un-irrigated (Ha/Acre/ Bigha/Katta.....)
10. Source of Irrigation Canal/ Tube well/ Other(specify)

II. Farming Related

1. Details of Cropping Pattern Followed: -

Cropping Year	Kharif Crops	Rabi Crops	Summer Crops
2021- 22			
2020- 21			

2. Area and Production of Specific Crop during last two Years.

Cropping Year	Kharif		Rabi		Summer	
	Area	Prodn	Area	Prodn	Area	Prodn
2021- 22						
2020- 21						

* Area in (Ha/Acre/.....) ** Prodn in Qtls

9. Have you availed any Crop Loan, if yes, provide details for last season

- a) Mode of crop loan: KCC/ Direct
- b) Amount of Loan (Rs):
- c) Percent Credit requirement met:
- d) Source: (1) Commercial Bank (2) Cooperative (3) Micro-finance (4) Money Lender (5) Fellow Farmers (6) others (Specify)
- e) Constraints (1) Cumbersome Procedures (2) High Interest Rates (3) Indifference from Bank/Cooperative (4) Stringent T &C (5) others (Specify)

10.Details of Crop Insurance (Previous Year)

Crop	Area (Acre)	Insurance Agency	Amount Insured (Rs)	Premium Paid (Rs)	Insurance Claimed (Rs)	Nature of Damage	Constraints*

Constraints* (1) Limited to Bank Loan Beneficiaries (2) Compulsion from Bank (3) High Premium (4) Long Settlement Time (5) Poor Publicity/Visibility (6) Area Approach of Insurance Scheme (7) Limited Coverage (8) Others (Specify)

11.How do you sell the crop produce (where, to whom & and price)

- a) Place of Selling: (i) Within village (ii) nearby town (iii) regulated market-mandi (iv) other state
- b) Sold to : (i) Village traders (ii) commission agent (iii) FPOs (iv) Farmers Association (v)Others
- c) Marketing Related Problem faced: (i) Low Price (ii) Transportation cost (iii) Inadequate market infrastructure (iv) lack of market information (v) lack of storage facility (vi) Price fluctuation/ Other

12.Have you received any guidance from any of these institution(s) to solve your farming related problems

- (i) State Department of Agriculture
- (ii) KVK
- (iii) Agri. University
- (iv) NGO
- (v) Kisan Call Centre
- (vi) Agri Clinic Centres
- (vii) Common Service Centres (CSC)
- (viii) Others (Specify)

13. Assistance received from Central/State Sponsored Schemes

Name of Scheme	Year of Receiving Assistance	Assistance Received	Remarks
PM-Kisan (Pradhan Mantri Kisan Saman Nidhi Yojna)			
Pradhan Mantri Fasal Bima Yojna (PMFBY)			
Kisan Credit Card (KCC) Scheme			
Pradhan Mantri Krishi Sichai Yojna (PMKSY)			
National Food Security Mission (NFSM)			
RKVY (RAFTAAR)			
Mission for Integrated Development of Horticulture (MIDH)			
Sub-Mission on Agriculture Mechanization			
Pradhan Mantri Matsaya Sampada Yojna (PMMSY)			
Others, (Pl. Specify)			

14. Any suggestions/ Good practices:

Signature
Name of Intern:

Signature
Name of Farmer:

HOW TO ENTER DATA COLLECTED THROUGH QUESTIONNAIR ON ONLINE PLATFORM

- Intern will first collect information diligently and will record suggestions made by farmers and record any good practices.
- After collecting the data, the intern will enter the data in the online platform. The link will be provided at time of orientation programme.

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**IPL Centre
for Rural Outreach**



IPL Centre for Rural Outreach (ICRO)

NPC Building

5-6 Institutional Area

Lodhi Road, New Delhi – 111003

Email ID: icroipl@gmail.com Tel: 01124607320

www.icroamrit.npcindia.gov.in