

1. Details of the Teacher/ Academic:

Name & Date of Birth :	Dr. MUKESH KUMAR, 14.06.1975
Date of Joining in IGNOU:	18.04.2006
Current Designation :	Assistant Professor (Stage-3)
Pay Scale as on date :	Rs. 79800-211500, Academic level 12
Qualifications :	B. Tech. (Agricultural Engineering), M. Tech. (Soil and Water Engineering), Ph.D. (Agricultural Engineering), Master in Art (Distance Education), PG Diploma in Distance Education.

2. Honour/Award/Fellowship/membership of Professional body/ Statutory body (internal/ external) received by the Teacher/ Academic:

Name of the recipient,	Honour /Award/ Fellowship name	Agency name /Name of statutory body/ institution/ Apex body	Period
Dr. Mukesh Kumar	Member School Board	School of Translation Studies and Training, IGNOU, New Delhi	15.03.2018 to 07.06.2019
Dr. Mukesh Kumar	Member School Board	School of Agriculture, IGNOU, New Delhi	15.03.2018 to 07.06.2019
Dr. Mukesh Kumar	Best Paper Award for paper entitled "role of Indigenous Water Conservation Techniques in Water Management for Agriculture Sustainability"	College of Post Graduate Studies, Umiam (Barapani), Meghalaya and Soil Conservation Society of India, New Delhi	2017
Dr. Mukesh Kumar	Special Research Award-2016	Soil Conservation Society of India, New Delhi	2016
Dr. Mukesh Kumar	Treasurer	Soil Conservation Society of India, New Delhi	2016 to 2019
Dr. Mukesh Kumar	Member School Board	School of Agriculture, IGNOU, New Delhi	06.06.2015 to 05.06.2017
Dr. Mukesh Kumar	University Silver Medal-2015 for Research Paper entitled cost effective baby corn cultivation under drip fertigation.	Indira Gandhi National Open University, New Delhi, India	2015
Dr. Mukesh Kumar	Member School Board	School of Continuing Education, IGNOU, New Delhi	21.02.2014 to 20.02.2016
Dr. Mukesh Kumar	Gold Medal-2014	Soil Conservation Society of India, New Delhi	2014
Dr. Mukesh Kumar	FAI Golden Jubilee Award for "Outstanding Doctoral Research in Fertilizer Usage"-2013	Fertilizer Association of India, New Delhi	2013
Dr. Mukesh Kumar	Member School Board	School of Agriculture, IGNOU, New Delhi	15.05.2013 to 14.05.2013
Dr. Mukesh Kumar	Joint Secretary	Soil Conservation Society of India	2013-2016
Dr. Mukesh Kumar	Life member (LM-1777)	Indian Association of Hydrologists	2013
Dr. Mukesh Kumar	Ph.D. Student Incentive Award-2012	Soil Conservation Society of India, New Delhi	2012
Dr. Mukesh Kumar	Life member (LM-2716)	Soil Conservation Society of India, New Delhi	2012
Dr. Mukesh Kumar	Member (Doctoral Committee	School of Agriculture, IGNOU,	2012-till date

	PHGDDR)	New Delhi	
Dr. Mukesh Kumar	Member (Doctoral Committee PHDAGE)	School of Agriculture, IGNOU, New Delhi	2012-till date
Dr. Mukesh Kumar	Member School Board	School of Agriculture, IGNOU, New Delhi	31.05.2006 to 30.05.2008
Dr. Mukesh Kumar	Life member (LM-10391)	Indian Society Agricultural Engineers (ISAE)	2007

3. Books/Book Chapter:

- Co-author/co-editor if any, title, place of publication, publisher, Year, page (no) s, ISBN N

S. No.	Name of Author1/ Editor 1, & Co-author (s) / Co-editor (s) (if any)	Title of chapter/book	Place of publication	Publisher	Year	Total Pages	ISBN No.
1.	Arora, Sanjay, Swami, Sanjay and Bhan, Suraj (Eds.)	Chapter Title: Precision Watershed Management through Integrated Approach-A Viable Way for Sustainable Agriculture. Book Title: Natural Resource Management for Climate Smart Sustainable Agriculture,	New Delhi	Soil Conservation Society of India,	2017	378-390	ISBN-978-81-909228-8-3
2.	Megh R Goyal	Chapter Title: Soil Moisture Distribution under Micro Irrigation. Book Title: Research Advances in Sustainable Micro Irrigation Management, Performance, and Applications of Micro Irrigation Systems	Toronto, New Jersey, Canada,	Apple Academic Press, Toronto	2016	131-138	ISBN-978-1-77188-069-5
3.	Megh R Goyal	Chapter Title: Fertigation: Venturi Injection Method. Book Title: Sustainable Micro Irrigation-Principles and Practices, Part-II	Toronto, New Jersey, Canada,	Apple Academic Press,	2015	265-273	978-1-77188-016-9
4.	P.K. Jain, B.S. Hansra, K.S. Chakroborty and Jayashree M. Kurup	Chapter Title: Watershed Management-A Key to sustainability. Book Title: Food Security & Sustainable Agriculture	New Delhi	U Day Publishers and Advertisers	2009	136-146	81-90864 1-0-7
5.	N.P. Singh, D. Daschauthuri, M.Datta and K.S. Chakraborty	Chapter Title: Background, Concept, Scope and Importance of Watershed Management. Book Title: Watershed Management. Published by IGNOU Regional Centre, Agartala, Tripura	Agartala, Tripura (W).	IGNOU Regional Centre, Agartala, Tripura (W)	2007	21-27	

4. Research Articles/Publications:

S. No.	Author/ Co-author (if any)	Title	Name of Journal	Volume	page no. (s)	Year	ISSN No
1.	Rohitashw Kumar, Mukesh Kumar and Maliqa Majid	Meteorological drought analysis based on rainfall data of temperate region of Kashmir	<i>Journal of Soil and Water Conservation</i>	17(4)	344-349	2018	0022-457X
2.	Mukesh Kumar and Rohitashw Kumar	Hydraulics of water and nutrient application through drip irrigation- A review	<i>Journal of Soil and Water Conservation</i>	17(1)	65-74	2018	0022-457X
3.	Rohitashw Kumar, Ruhul Nissa and Kumar Mukesh	Moisture dynamics and irrigation modelling in apple (<i>Malus domestica</i>) trees using CROPWAT model in temperate region of India	<i>Indian Journal of Agricultural Sciences</i>	88 (9)	1449-54	2018	0019-5022
4.	Mukesh Kumar and P. Vijayakumar	Effectiveness of short duration training programmes on field level watershed functionaries	<i>Journal of Community Mobilization and Sustainable Development</i>	13(1)	147-150	2018	2230-9047
5.	Rohitashw Kumar, Mukesh Kumar, Zeenat Farooq and Sushmita M. Dadhich	Evaluation of models and approaches for effective rainfall in irrigated agriculture-A review	<i>Journal of Soil and Water Conservation</i>	16(1)	32-36	2017	0022-457X
6.	Shruti Rani Tirkey, Arpan Sherring and Mukesh Kumar	Development of mathematical model for estimation of wetting Front advance under drip irrigation in sandy loam soil	<i>Journal of Soil and Water Conservation</i>	16(1)	53-58	2017	0022-457X
7.	Rohitashw Kumar and Mukesh Kumar	Evaluation of reference evapotranspiration models using single crop coefficient method and lysimeter data	<i>Indian Journal of Agricultural Sciences</i>	87(3)	350-354	2017	0019-5022
8.	Mukesh Kumar, Rohitashw Kumar, T.B.S. Rajput and Neelam Patel	Efficient design of drip irrigation system using water and fertilizer application uniformity in different operating pressures at semi-arid region of India.	<i>Irrigation and Drainage</i> . DOI: 10.1002/ird.2108			2017	1531-0361
9.	Jitendra Kumar, Neelam Patel, T.B.S. Rajput, Mukesh Kumar	Sensor network based irrigation system for real time irrigation scheduling in vegetable crops under different methods of irrigation	<i>Indian Journal of Agricultural Sciences</i>	86(11)	1433-1437	2016	0019-5022
10.	Rohitashw Kumar, Mukesh Kumar, Shah, A. I, Bhat, S. A., Wani, M. A. and D. Ram	Modelling of soil loss using USLE through remote sensing and geographical information system in micro-watershed of Kashmir valley, India	<i>Journal of Soil and Water Conservation</i>	15(1):	40-45	2016	0022-457X
11.	Mukesh Kumar,	Water and nitrate dynamics in	<i>Agricultural</i>	163	263-	2016	0378-

	T.B.S. Rajput, Rohitashw Kumar and Neelam Patel	baby corn (<i>Zea mays</i> L.) under different fertigation frequencies and operating pressures in semi-ari region of India	<i>Water Management</i>		274		3774
12.	Mukesh Kumar, T.B.S. Rajput and Neelam Patel	Spatio-temporal movement of water and nitrate under different dripper discharges in drip fertigation	<i>Indian Journal of Agricultural Sciences</i>	86 (3)	310-314	2016	0019-5022
13.	Neelam Patel, T.B.S. Rajput and Mukesh Kumar	Fertigation scheduling in tomato based on the hydraulics and nutrients under point source of water application	<i>Asian Journal of Science and Technology</i>	6 (2)	1141-1145	2015	0976-3376
14.	Mukesh Kumar, T.B.S. Rajput and Neelam Patel	Drip fertigation: A viable solution for sustainable baby corn cultivation	<i>Indian Journal of Fertilizer</i>	11 (3)	50-56	2015	0973-1822
15.	Mukesh Kumar, T.B.S. Rajput and Neelam Patel	Effect of dripper discharge on spatio-temporal movement of water in soil under drip irrigation	<i>Journal of Soil and Water Conservation</i>	14(2)	141-145	2015	0022-457X
16.	Owais Ahmad Bhat, Rohitashw Kumar, Mukesh Kumar and Yasir Altaf	Development of deterministic prediction runoff model for micro-watersheds of Dal Catchment of Kashmir Valley, India	<i>Journal of Soil and Water Conservation</i>	14(1)	53-57	2015	0022-457X
17.	Mukesh Kumar, T.B.S. Rajput and Neelam Patel	Impact of fertigation frequency on growth and yield parameters of baby corn (<i>Zea mays</i> L.)	<i>Indian Journal of Agricultural Sciences</i>	85(3)	397-403	2015	0019-5022
18.	Mukesh Kumar and T.B.S. Rajput	Effect of drip irrigation and fertilizer application on yield of baby corn (<i>Zea mays</i> L.)	<i>Current Horticulture,</i>	2(1)	34-38	2014	2347-7377
19.	Mukesh Kumar, T.B.S. Rajput and Neelam Patel	Cost-effective baby corn cultivation under drip fertigation	<i>Indian Journal of Agricultural Sciences</i>	84 (5)	637-642	2014	0019-5022
20.	Mukesh Kumar, T.B.S. Rajput and Neelam Patel	Water and nitrogen distribution uniformity for different drip-lengths under drip irrigation system	<i>Journal of Agricultural Engineering</i>	51 (1)	37-42	2014	0256-6524
21.	Rohitashw Kumar and Mukesh Kumar.	Evaluation of large Scale subsurface drainage system in the Indira Gandhi nahar paryajoina command area, Rajasthan India	<i>Journal of Soil and Water Conservation</i>	13(1)	53-57	2014	0022-457X
22.	मुकेश कुमार, टी.बी.एस. राजपूत और नीलम पटेल	बेबी कॉर्न की उपज पर फर्टिगेशन का प्रभाव	एफ. ए. आइ. खाद पत्रिका	54 (11):	26-30	2013	
23.	Mukesh Kumar, T.B.S. Rajput and Neelam Patel	Performance Evaluation of drip-tape for irrigation under different operating pressures	Pusa AgriSciences	36	58-63	2013	0973-7324
24.	Rohitashw Kumar, D. Ram, S. Chand, Deepak Jhajharia,	Rain water harvesting in north-western himalayan region-A Case Study	<i>Journal of Soil and Water Conservation</i>	11(4)	323-328	2012	0022-457X

	Mukesh Kumar and R. M Shukla						
25.	Anju Bala, Mukesh Kumar, Kishan Singh Rawat and D. S. Taneja	Estimating time for formation of recharge mound and rate of recharge from percolation tank from mathematical model	<i>Journal of Agricultural Physics</i>	12(2)	1-12	2012	0973-032X
26.	Mukesh Kumar, T.B.S. Rajput and Neelam Patel	Effect of system pressure and solute concentration on fertilizer injection rate of a venturi for fertigation	<i>Journal of Agricultural Engineering</i>	49 (4)	9-13	2012	0256-6524
27.	Mukesh Kumar, T.B.S. Rajput and Neelam Patel	Yield and water use efficiency of baby corn (<i>Zea mays L.</i>) as affected by fertigation schedules	<i>Journal of Soil and Water Conservation</i>	11(1)	53-58	2012	0022-457X
28.	Hari Raj Singh, Mukesh Kumar, A.K. Bajpai and V. K. Rathi	Remote sensing for change detection of land use in Bandol and Bijna Nala micro-watershed, Madhya Pradesh	<i>Journal of Water Management</i>	17(2)	143-148	2009	
29.	Mukesh Kumar, Sadhna Arora and Shatish Sharma	Engineering properties of fresh pea kernals (<i>Pisum Sativum L</i>)	<i>Journal of Agricultural Engineering</i>	41 (1)	59-61	2004	0256-6524
30.	Mukesh Kumar, K.G. Singh and S.K. Sondhi	Modeling of nitrate movement and leaching losses under wetland moisture regime	<i>Journal of Agricultural Engineering</i>	41 (1)	38-43	2004	0256-6524
31.	T.B.S. Rajput, Neelam Patel and Mukesh Kumar	Effect of size and pressure gradient on suction rate of Venturi	<i>Journal of Agricultural Engineering</i>	41 (2)	38-41	2004	0256-6524
32.	Mukesh Kumar, K.G. Singh and S.K. Shakya	Modelling of fertilizer nitrogen in irrigated rice fields	<i>Hydrology Journal of IAH</i>	28 (3-4)	73-78	2004	
33.	Mukesh Kumar, K.G. Singh and S.K. Shakya	Nitrogen leaching loss in irrigated rice fields	<i>Journal of Research, PAU, Ludhiana</i>	40(2)	230-235	2003	2395-1435.
34.	Mukesh Kumar, K.G. Singh and S.K. Shakya	Simulation of nitrogen leaching loss in irrigated rice fields. journal of agricultural engineering	<i>Journal of Agricultural Engineering</i>	40 (1)	56-64	2003	0256-6524

5. Policy Documents Reports/ Mimeos: NIL

S. No.	Title	Institution/ Agency	Year

6. Book Review published: NIL

S. No.	Author/ Co-author (if any)	Title	Name of Journal	Volume	page no. (s)	Year	ISSN No

(Duly authenticated by the Director/ Head of School/ Division/ Unit/Centre / Cell)
7. Presentation/Invited talk/Chair in National or International Seminar/Conference/ Workshops (Please do not mention if it is only participation without presentation)

S. No.	Author/ Co author (if any)	Title of presentation, /Talk/Lecture	Name Organizing institute	Conference	City	Date and Year
1.	Mukesh Kumar, T.B.S. Rajput and Neelam Patel (Lead Lecture)	Impact of system operating pressure on soil moisture movement and baby corn yield under drip irrigation (Lead paper)	Tamilnadu chapter of Soil Conservation Society	28 th National Conference on Farmers Friendly Soil and Water Conservation Technologies for Mitigating Climate Change Impact	Ooty, Tamilnadu	January 30 to February 02, 2019
2.	Mukesh Kumar	Solar water pumping system for irrigation: a viable solution for sustainable agriculture	AAU, Jorhat (Assam) and Assam chapter of Soil Conservation Society	27 th National conference on sustainable management of soil and water resources for doubling farmers income	AAU, Jorhat (Assam)	October 25-27, 2018
3.	Mukesh Kumar and Rohitashw Kumar (Lead Lecture)	Food and livelihood security through watershed management approach	Raipur chapter of Soil Conservation Society	1 st Asian Conference WLMFLS-2017 on Water and Land Management for Food and Livelihood	Raipur, Chhattisgarh	January 20-22, 2017
4.	Mukesh Kumar (Invited talk)	Spatio-temporal movement of water and nutrient under drip irrigation system (Invited Lecture)	Division of Agricultural Engineering, SKUAST-K, Shalimar Campus-190025 (J&K)	Modeling and Advances in micro irrigation for improving water use efficiency	Shalimar Kashmir (J&K),	July 14, 2017
5.	Mukesh Kumar (Invited talk)	Impact of fertigation frequency on baby corn under drip irrigation (Invited Lecture)	Division of Agricultural Engineering, SKUAST-K, Shalimar Campus-190025 (J&K)	Modeling and Advances in micro irrigation for improving water use efficiency	Shalimar Kashmir (J&K),	July 14, 2017
6.	Mukesh Kumar and Rohitashw Kumar	Role of indigenous water conservation techniques in water conservation for agriculture sustainability	Post Graduate Studies, Umiam (Barapani), Meghalaya and the Soil Conservation Society of India	26 th National Conference on "Natural Resource Management for Climate Smart Sustainable Agriculture"	Post Graduate Studies, Umiam (Barapani), Meghalaya	September 11-13, 2017
7.	Mukesh Kumar, P.	Challenges in imparting skills	Indira Gandhi National Open	International Seminar on skill development	Staff Training and	9-11 March,

Vijayakumar and M.K. Salooja	through Open and Distance learning (ODL) in practical based agriculture Programme	University	through innovations, entrepreneurship, employment inclusive and sustainable livelihoods	odel: for and	Research Institute of Distance Education, IGNOU, New Delhi	2017.
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8. Study Tour Organised/ Participated/ Attachment Organized/Internship:

S. No	Details of the tour	Name of coordinating body	Duration
1.	Visits of CWHM students for Water conservation techniques Instruments at IARI, New Delhi to IARI on 07.05.2019	School of Agriculture, IGNOU	4 hours
2.	Visits of CWHM students for Water conservation techniques Instruments at IARI, New Delhi to IARI on 10.10.2018	School of Agriculture, IGNOU	4 hours
3.	Visits of CWHM students for Water measuring Instruments at IMD, New Delhi on 17.5.2018	School of Agriculture, IGNOU	4 hours
4.	Visits of CWHM students for Water conservation techniques Instruments at IARI, New Delhi to IARI on 16.5.2018	School of Agriculture, IGNOU	4 hours
5.	Visits of CWHM students for Water conservation techniques Instruments at IARI, New Delhi to IARI on 15.11.2017	School of Agriculture, IGNOU	4 hours
6.	Visits of CWHM students for Water measuring Instruments at IMD, New Delhi on 14.11.2017	School of Agriculture, IGNOU	4 hours
7.	Visits of CWHM students for Water conservation techniques Instruments at IARI, New Delhi to IARI on 20.10.2016	School of Agriculture, IGNOU	4 hours
8.	Visits of CWHM students for Water measuring Instruments at IMD, New Delhi on 20.10.2016	School of Agriculture, IGNOU	4 hours
9.	Visits of CWHM students for Water conservation techniques Instruments at IARI, New Delhi to IARI on 24.05.2016	School of Agriculture, IGNOU	4 hours
10.	Visits of CWHM students for Water conservation techniques Instruments at IARI, New Delhi to IARI on 24.11.2015	School of Agriculture, IGNOU	4 hours
11.	Visits of CWHM students for Water measuring Instruments at IMD, New Delhi on 23.11.2015	School of Agriculture, IGNOU	4 hours
12.	Visits of CWHM students for Water measuring Instruments at IMD, New Delhi on 6.05.2015	School of Agriculture, IGNOU	4 hours
13.	Visits of CWHM students for Water conservation techniques Instruments at IARI, New Delhi to IARI on 25.04.2015	School of Agriculture, IGNOU	4 hours
14.	Visits of CWHM students for Water conservation techniques Instruments at IARI, New Delhi to IARI on 3.11.2014	School of Agriculture, IGNOU	4 hours
15.	Visits of CWHM students for Water measuring Instruments at IMD, New Delhi on 5.11.2014	School of Agriculture, IGNOU	4 hours
16.	Visits of CWHM students for Water measuring Instruments at IMD, New Delhi on 17.10.2013	School of Agriculture, IGNOU	4 hours
17.	Visits of CWHM students for water Harvesting Structure at CSE, New Delhi on 16.10.2013	School of Agriculture, IGNOU	4 hours
18.	Visits of CWHM students for Water conservation techniques Instruments at IARI, New Delhi to IARI on 15.10.2013	School of Agriculture, IGNOU	4 hours
19.	Visits of CWHM students for water Harvesting Structure at CSE, New Delhi on 25.4.2013	School of Agriculture, IGNOU	4 hours
20.	Visits of CWHM students for Water measuring Instruments at IMD, New Delhi on 22.04.2013	School of Agriculture, IGNOU	4 hours

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21.	Visits of CWHM students for Water conservation techniques Instruments at IARI, New Delhi to IARI on 22.04.2013	School of Agriculture, IGNOU	4 hours
22.	Visits of CWHM students for water Harvesting Structure at CSE, New Delhi on 31.10.2012	School of Agriculture, IGNOU	4 hours
23.	Visits of CWHM students for Water measuring Instruments at IMD, New Delhi on 09.11.2012	School of Agriculture, IGNOU	4 hours
24.	Visits of CWHM students for Water conservation techniques Instruments at IARI, New Delhi to IARI on 09.11.2012	School of Agriculture, IGNOU	4 hours
25.	Visits of CWHM students for Water conservation techniques Instruments at IARI, New Delhi on 5.05.2012	School of Agriculture, IGNOU	4 hours
26.	Visits of CWHM students for Water conservation techniques Instruments at IARI, New Delhi on 10.11.2011	School of Agriculture, IGNOU	4 hours
27.	Visits of CWHM students for Water conservation techniques Instruments at IARI, New Delhi on 15.05.2011	School of Agriculture, IGNOU	4 hours
28.	Visits of CWHM students for Water conservation techniques Instruments at IARI, New Delhi on 21.11.2010	School of Agriculture, IGNOU	4 hours
29.	Visits of CWHM students for Water conservation techniques Instruments at IARI, New Delhi 15.5. 2011	School of Agriculture, IGNOU	4 hours
30.	Visits of CWHM students for Water conservation techniques Instruments at IARI, New Delhi on 28.11.2009	School of Agriculture, IGNOU	4 hours
31.	Visits of CWHM students for Water conservation techniques Instruments at IARI, New Delhi on 28.04.2009	School of Agriculture, IGNOU	4 hours

9. Consultancy assignment (if any): NIL

S. No.	Organization/ agency	Cost, title of consultancy	Duration

10. Details of Institution/ Government/ Industry / own Institution Sponsored Research Projects (including Programme Evaluation) and Amount (Both completed and ongoing):

S. No.	Agency	Amount	Duration with dates	Status i.e. ongoing/completed
1.	Department of Rural Development (DoLR), Ministry of Rural Development (MoRD), GoI Capacity Building (Diploma Training Programme) under Common Guidelines 2008 for Watershed Development	Rs. 194.81 Lakhs	1 April 2009 to 31 March 2014	Five years
2.	Department of Rural Development (DoLR), Ministry of Rural Development (MoRD), GoI	Rs. 38.86 Lakhs	1 April 2009 to 31 March 2011	Two years

11. Details of Ph.D. and M.Phil. Scholars (including those awarded degree): Nil

S. No.	Name and enrolment no:	Year of registration	Year of completion/ award

12. Details of Programmes/ Courses coordinated/ written/ edited/ translated:

S.	Programme	Course	Unit (print)/	Coordinated/Written	Period

No.			Audio/ Video/ eSLM	/ Edited (content/ language/ format)/ Translated	
1.	Awareness programme on Solar Water Pumping System (APSWP)	Three modules viz.: NAP-001: Solar Energy and its Application NAP-002: Solar Water Pump and its Components NAP-003: Operation Maintenance and its Safety	eSLM and Video	<ul style="list-style-type: none"> • Programme Coordination • Course Coordination • Written (3 modules) Module 1: Solar Energy and its Applications; Module 2: Solar Water Pump and its Components; and Module 3: Operation, Maintenance and Safety. 	2018 to till date
2.	Diploma in Watershed Management (DWM)	Seven courses viz.: BNRI-101: Fundamental of Watershed Management BNRI-102: Elements of Hydrology BNRI-103: Soil and Water Conservation BNRI-104: Rainfed Farming BNRI-106: Horticulture and Agro-Forestry Systems BNRI-107: Funding, Monitoring, Evaluation and Capacity Building BNRP-108: Project Formulation	Print and eSLM	<ul style="list-style-type: none"> • Programme Coordination • Course Coordination (All 7 course) • Developed Programme Guide • Written (5 Units: Block-1, BNRI-101, Unit 2: Concept, Scope and Importance of Watershed Management; Block-2, BNRI-103, Unit 6: Artificial Groundwater Recharge; Block-1, BNRI-107, Unit 2: Management of Watershed Development Funds • Block-2, BNRI-107, Unit 4: Monitoring and Evaluation; Block-2, BNRI-107, Unit 5: Capacity Building and 3 Practical Manuals: BNRI-102, BNRI- 	2011 to till date

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				104 & BNRI-107 and BNRP-108: Manual on project guidelines) and Edited (content/ language/ format)	
3.	Certificate in Water Harvesting and Management (CWHM)	Four courses viz.: ONR-001: Introduction to Water Harvesting ONR-002: Basics of Hydrology ONR-003: Water Harvesting, Conservation and Utilization ONRL-001: Practical related to Water Harvesting	Print and eSLM	<ul style="list-style-type: none"> • Programme Coordination • Course Coordination (All 4 course) • Developed Programme Guide • Written (2 Units: Block 2 of ONR-002, Unit 5: Water Pollution and Unit 6: Water Quality Parameters) and Edited (content/ language/ format) 	2009 to till date
4.	Diploma in Production of Value-Added Products from Cereals, Pulses and Oilseeds (DPVCPO)	Eight courses viz.: BPVI-031: Food Fundamentals BPVI-032: Food Microbiology BPVI-033: Milling of Wheat, Maize and Coarse grains BPVI-034: Baking and Flour Confectionery BPVI-035: Paddy Processing BPVI-036: Processing of Pulses and Oilseeds BPVI-037: Food Quality Testing and Evaluation BPVI-038: Entrepreneurship and Marketing	Print and eSLM	<ul style="list-style-type: none"> • Programme Coordination • Course Coordination (All 8 course) • Developed Programme Guide 	2008 to till date

- Courses/ Units translated and period **NIL**

- Audio programmes (title, Course, period)

S. No.	Title of the video and course	Period
1.	Jal sanchyan and Jal Vigyan	2018

- Video programmes (title and Course, period)

S. No.	Title of the video and course	Period
1.	Dal Mill	2009
2.	Biscuit	2009
3.	Bread	2009
4.	Bun and Bread Roll	2009

(Duly authenticated by the Director/ Head of School/ Division/ Unit/Centre / Cell)

5.	Jalna Ke Kuch Sanp	2013
6.	Solar Water Pumping System and Components	2018
7.	Introduction to Solar Water Pump	2018
8.	Water Harvesting	2018

13. Training programmes designed and conducted, duration and dates

S. No.	Programme	Dates	Place	Number of Participants
1.	4 days training programme on Soil and Water Conservation Sponsored by: DoLR, MoRD, GoI	1 st to 4 th August 2009	IGNOU Centre for ODL in Research and Training in Agriculture, Agartala (Tripura)	30
2.	7 days training programme on Watershed Management Sponsored by: DoLR, MoRD, GoI	21 st to 27 th July 2009	Krishi Vigyan Kendra, Gurdaspur (Punjab)	38
3.	4 days training programme on Soil and Water Conservation Sponsored by: DoLR, MoRD, GoI	1 st to 4 th July 2009	Krishi Vigyan Kendra, Mehaboobnagar (Andhra Pradesh)	33
4.	7 days training programme on Watershed Management	17 th to 23 rd June 2009	Krishi Vigyan Kendra - Shikohpur, Gurgaon District (Haryana)	32
5.	4 days training programme on Soil and Water Conservation Sponsored by: DoLR, MoRD, GoI	4 th to 7 th May 2009	Krishi Vigyan Kendra - Sylvan, Hengbung, Senapati District (Manipur)	33
6.	4 days training programme on Water Harvesting and Management Sponsored by: EDNERU, IGNOU	3 to 5 November, 2008	Krishi Vigyan Kendra- Sylvan, Hengbung, Senapati District, Manipur	32
7.	3 days training programme on Entrepreneur Development Program (EDP) on Soy Based Food Products Sponsored by: American Soybean Association and IGNOU	8 to 10 April, 2008	North Eastern Regional Institute of Science and Technology (NERIST), Nirjuli, Itanagar (Arunachal Pradesh)	37
8.	3 days training programme on Entrepreneurship Development programme on Soy based products Sponsored by: American Soybean Association and EDNERU, IGNOU	February 27-29, 2008	IGNOU, New Delhi	32
9.	3 days training programme on Watershed Management Sponsored by: EDNERU, IGNOU	18 to 20 December, 2007	SIRD, Jorethang, North Sikkim	34
10.	3 days training programme on Rainwater Harvesting and Watershed Management Sponsored by: EDNERU, IGNOU	26 to 28 September, 2007	3 days Kohima (Nagaland)	33
11.	5 days training programme on Watershed Management in North-Eastern Region	5 to 9 February, 2007	ICAR Research Complex for NEH Region Centre, Tripura Centre,	55

Sponsored by: EDNERU, IGNOU	Lembucherra (Tripura)
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14. Details of Counselling sessions conducted:

S. No.	Programme	Course	Place	Dates	Duration	Mode (Specify- Face to Face Radio counselling, Teleconfere ncing, Web conferencing any other)
1.	CWHM	ONRL-001	SoA, IGNOU, Maidan Garhi, New Delhi	4.03.2019 to 11.05.2019	10 sessions of 2 hour each	Face to Face
2.	CWHM	ONR-001, 002 and 003	SoA, IGNOU, Maidan Garhi, New Delhi	16.03.2019 to 10.05.2019	18 sessions of 2 hour each	Face to Face
3.	CWHM	ONRL-001	SoA, IGNOU, Maidan Garhi, New Delhi	11.11.2018 to 15.12.2018	10 sessions of 2 hour each	Face to Face
4.	CWHM	ONR-001, 002 and 003	SoA, IGNOU, Maidan Garhi, New Delhi	6.10.2018 to 8.12.2018	18 sessions of 2 hour each	Face to Face
5.	CWHM	ONR-001: Water Resources and Rainwater Harvesting	EMPC, IGNOU, New Delhi	21.09.2018	1 hour	Radio counselling
6.	CWHM	ONRL-001	SoA, IGNOU, Maidan Garhi, New Delhi	14.5.2018 to 20.5.2018	10 sessions of 2 hour each	Face to Face
7.	CWHM	ONR-001, 002 and 003	SoA, IGNOU, Maidan Garhi, New Delhi	11.4.2018 to 13.5.2018	18 sessions of 2 hour each	Face to Face
8.	CWHM	ONR-002: Elementary Hydrology	EMPC, IGNOU, New Delhi	16.03.2018	1 hour	Radio counselling
9.	DWM	Introduction to Watershed Management	EMPC, IGNOU, New Delhi	02.02.2018	1 hour	Radio counselling
10.	CWHM	ONR-003: Water Storage Conservation and Utilization	EMPC, IGNOU, New Delhi	15.12.2017	1 hour	Radio counselling
11.	CWHM	ONRL-001	SPD, Shalimar Bagh, Delhi	4.11.2017 to 19.11.2017	10 sessions of 2 hour each	Face to Face
12.	CWHM	ONR-001, 002 and 003	SPD, Shalimar Bagh, Delhi	11.10.2017 to 29.10.2017	18 sessions of 2 hour each	Face to Face
13.	DWM	Introduction to DWM Programme	EMPC	29.09.2017	1 hour	Radio counselling

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14.	CWHM	ONR-002: Water Harvesting and Hydrology	EMPC	2.09.2017	1 hour	Radio counselling
15.	CWHM	ONR-003: Methods of Water Harvesting	EMPC	07.07.2017	1 hour	Radio counselling
16.	CWHM	Introduction to CWHM Programme	EMPC	23.06.2017	1 hour	Radio counselling
17.	CWHM	ONRL-001	Regional Centre, Delhi-2	17.10.2016 to 22.10.2016	10 sessions of 2 hour each	Face to Face
18.	CWHM	ONR-001, 002 and 003	Regional Centre, Delhi-2	17.09.2016 to 23.10.2016	18 sessions of 2 hour each	Face to Face
19.	CWHM	ONRL-001	Regional Centre, Delhi-2	30.4.2016 to 8.5.2016	10 sessions of 2 hour each	Face to Face
20.	CWHM	ONR-001, 002 and 003	Regional Centre, Delhi-2	12.3.2016 to 14.5.2016	18 sessions of 2 hour each	Face to Face
21.	CWHM	ONRL-001	Regional Centre, Delhi-2	01.11.2015 to 28.11.2015	10 sessions of 2 hour each	Face to Face
22.	CWHM	ONR-001, 002 and 003	Regional Centre, Delhi-2	25.9.2015 to 15.11.2015	18 sessions of 2 hour each	Face to Face
23.	CWHM	ONR-001, 002 and 003	SoA, IGNOU, Maidan Garhi, New Delhi	28.2.2015 to 24.5.2015	18 sessions of 2 hour each	Face to Face
24.	CWHM	ONRL-001	SoA, IGNOU, Maidan Garhi, New Delhi	18.4.2015 to 10.5.2015	10 sessions of 2 hour each	Face to Face
25.	CWHM	ONR-001, 002 and 003	SoA, IGNOU, Maidan Garhi, New Delhi	20.9.2014 to 23.11.2014	18 sessions of 2 hour each	Face to Face
26.	CWHM	ONRL-001	SoA, IGNOU, Maidan Garhi, New Delhi	02.11.2014 to 07.11.2014	10 sessions of 2 hour each	Face to Face
27.	CWHM	ONR-002	EMPC, IGNOU	02.07.2014	1 hours	Radio counselling
28.	CWHM	ONR-001, 002 and 003	SoA, IGNOU, Maidan Garhi, New Delhi	25.5.2014	2 hours	Face to Face
29.	CWHM	ONRL-001	SoA, IGNOU, Maidan Garhi, New Delhi	10.5.2014 to 17.5.2014	10 sessions of 2 hour each	Face to Face
30.	CWHM	ONR-001, 002 and 003	SoA, IGNOU, Maidan Garhi, New Delhi	22.3.2014 to 4.5.2014	11 sessions of 2 hour each	Face to Face
31.	DWM	Introduction to DWM Programme	EMPC, IGNOU	16.3.2014	1 hours	Radio counselling

32.	CWHM	ONRL-001	SoA, IGNOU, Maidan Garhi, New Delhi	14.10.2013 to 20.11.2013	6 sessions of 2 hour each	Face to Face
33.	CWHM	ONR-001, 002 and 003	SoA, IGNOU, Maidan Garhi, New Delhi	21.9.2013 to 10.11.2013	14 sessions of 2 hour each	Face to Face
34.	CWHM and DWM	Introduction to DWM and CWHM Programmes	EMPC, IGNOU	15.9.2013	1 hours	Radio counselling
35.	DWM	BNRI-101	EMPC, IGNOU	2.6.2013	1 hours	Radio counselling
36.	CWHM	ONR-001, 002 and 003	Regional Centre, Delhi-2	09.3.2013 to 05.05.2013	10 sessions of 2 hour each	Face to Face
37.	CWHM	ONR-001	EMPC, IGNOU	17.4.2013	1 hours	Radio counselling
38.	DWM	BNRI-101	EMPC, IGNOU	20.2.2013	1 hours	Radio counselling
39.	CWHM	ONR-002	EMPC, IGNOU	16.12.2012	1 hours	Radio counselling
40.	CWHM	ONRL-001	Regional Centre, Delhi-2	14.10.2012 to 11.11.2012	10 sessions of 2 hour each	Face to Face
41.	CWHM	ONR-001, 002 and 003	Regional Centre, Delhi-2	15.9.2012 to 10.11.2012	10 sessions of 2 hour each	Face to Face
42.	CWHM	ONRL-001	Regional Centre, Delhi-2	07.04.2012 to 28.4.2012	8 sessions of 2 hour each	Face to Face
43.	CWHM	ONR-001, 002 and 003	Regional Centre, Delhi-2	24.3.2012 to 06.05.2012	7 sessions of 2 hour each	Face to Face
44.	CWHM	ONRL-001	Regional Centre, Delhi-2	16.10.2011 to 10.11.2011	10 sessions of 2 hour each	Face to Face
45.	CWHM	ONR-001, 002 and 003	Regional Centre, Delhi-2	10.09.2011 to 09.10.2011	10 sessions of 2 hour each	Face to Face
46.	CWHM	Introduction to CWHM Programme	EMPC, IGNOU	30.10.2011	1 hours	Radio counselling
47.	DWM	Introduction to DWM Programme	EMPC, IGNOU	12.6.2011	1 hours	Radio counselling
48.	CWHM	ONR-001, 002 and 003	Regional Centre, Delhi-2	27.3.2011 to 17.4.2011	4 sessions of 2 hour each	Face to Face
49.	CWHM	ONR-001, 002 and 003	Regional Centre, Delhi-2	21.8.2010 to 24.10.2010	4 sessions of 2 hour each	Face to Face
50.	CWHM	Introduction to CWHM Programme	EMPC, IGNOU	12.9.2010	1 hours	Radio counselling
51.	CWHM	ONR-001, 002 and 003	Regional Centre, Delhi-2	21.2.2010 to 28.3.2010	3 sessions of 2 hour each	Face to Face
52.	DWM	DWM Programme	EMPC, IGNOU	28.2.2010	1 hours	Radio counselling

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		Introduction				
53.	CWHM	ONR-001, 002 and 003	Regional Centre, Delhi-2	02.08.2009 to 25.10.2009	5 sessions of 2 hour each	Face to Face
215.	DWM	Programme Introduction	EMPC, IGNOU	13.09.2009	1 hours	Radio counselling
216.	CWHM	ONR-001	EMPC, IGNOU		1 hours	Radio counselling
217.	DPVCPO	Processing of Pulses and Oilseeds	EMPC, IGNOU	13.09.2008	45 minutes	Teleconferencing
218.	DWM	Programme Introduction	EMPC, IGNOU	13.09.2009	1 hours	Radio counselling
219.	CWHM	Introduction to CWHM Programme	EMPC, IGNOU	13.6.2009	1 hours	Radio counselling
220.	CWHM	Introduction to CWHM Programme	EMPC, IGNOU	07.12.2008	1 hours	Radio counselling
221.	DPVCPO	Introduction to DPVCPO Programme	EMPC, IGNOU	07.09.2008	1 hours	Radio counselling
222.	DPVCPO	Introduction to DPVCPO Programme	EMPC, IGNOU	07.07.2008	45 minutes	Teleconferencing

15. Details of Patents granted (if any):
16. Contribution to IGNOU's corporate life:

S. No.	Chairperson/ Member of Committee	Name of the Committee	Date/ period
1.	Member	Committee to Create Water Harvesting System in the Campus	22.05.2013 to till date
2.	Member	Scrutiny Committee of School of Agriculture to review purchase of books	04.08.2017
3.	Member	Organising Committee for Model Training Course Development and Delivery of e-learning material in Agriculture extension.	27.09.2017
4.	Member	Sub Committee IGNOU Employees Cooperative Thrift & Credit Society Ltd.	11.05.2018

17. Administrative position/s held in the University (even as in charge)

S. No.	Designation	Period

18. Any other contribution/information

- Launched a new MOOCs programme on Awareness programme on Solar Water Pumping System (APSWP)-Online through SWAYAM in collaboration with International Solar Alliance (ISA) for farmers. The enrolment in the first cycle of the programme was 2714 and second cycle was 2293.

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- Successfully completed Post Graduate Diploma in Distance Education from Indira Gandhi national Open University in 2017.
- Successfully completed Master in Art (Distance Education) from Indira Gandhi national Open University in 2018.

Signature of Teacher /Academic

Signature of Director/ Head