

1. Details of the Teacher/ Academic :

Name & Date of Birth :	Dr. Shiv Kumar Vyas
Date of Joining in IGNOU:	01-11-1988
Current Designation :	ASSOCIATE PROFESSOR IN ENGINEERING & TECHNOLOGY (AGRICULTURAL & WATER RESOURCES)
Pay Scale as on date :	Cell No. 14 Level 13A Rs. 192900/- as on 30-06-2021
Qualifications :	<p>Doctor of Philosophy (2005) Indian Institute of Technology, New Delhi Applied Mechanics Department Thesis Topic: <i>A Small Scale Multiple Effect Distillation (MED) System for Rural Drinking Water Supply</i></p> <p>Master of Science (Agricultural Engineering) with Major: Soil and Water Conservation Engineering), Minor: Agricultural Statistics (1989) Indian Agricultural Research Institute, New Delhi Division of Agricultural Engineering Dissertation Topic: <i>Evaluation of Performance of a Canal Irrigation System – A Case Study</i></p> <p>Bachelor of Technology (Agricultural Engineering) (1984) Govind Ballabh Pant University of Agriculture and Technology, Pantnagar (Nainital) College of Technology</p>

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/ membership of Professional body/ Statutory body	Agency name /Name of statutory body/ institution/ Apex body	Period
	Life Member	Indian Society of Agricultural Engineers, India	Life Member
	Life Member	National Society of Fluid Mechanics and Fluid Power, India	Life Member
	Member	Board of Studies of School of Engineering and Technology, IGNOU	1991-2001 2005-2011 2015-2017 2019-Contd.
	Member	Board of Studies of School of Interdisciplinary and	2016-2018

		Trans- disciplinary, IGNOU	
	Member	Academic Council, Indira Gandhi National Open University	2012-2014
	Member	Board of Studies of School of Journalism and New Media Studies, IGNOU	2012-2014
	IARI Junior Research Fellowship	Indian Agricultural Research Institute, New Delhi	1985-1987
	University Bursary Scholarship	Govind Ballabh Pant University of Agriculture and Technology, Pantnagar	1982-1983

3. Books/Book Chapter:

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

SNo.	Name of Author1/ Editor 1, & Co- author (s) / Co- editor (s) (if any)	Title of chapter/book	Place of publicatio n	Publisher	Year	Total Pages	ISBN No.
1	jointly with Prof. M. K. Magazine	Unit 12: <i>Ground Water Hydrology</i> , Block 4: Special Topics in Hydrology, ET-532A: Hydrology	New Delhi	Indira Gandhi National Open University	1999	32	81-7605-516-6
2	jointly with Prof. U. C. Chaube	Unit 13: <i>Flood Estimation</i> , Block 4: Special Topics in Hydrology, ET-532A: Hydrology	New Delhi	Indira Gandhi National Open University	1999	26	81-7605-516-6
3	jointly with Prof. U. C. Chaube	Unit 14: <i>Flood Forecasting</i>	New Delhi	Indira Gandhi National	1999	16	81-7605-516-6

		<i>and Flood Warning,</i> Block 4: Special Topics in Hydrology ET-532A: Hydrology		Open University			
4	jointly with Shri S. K. Govil	Unit 5: Population Pressure, Block 2: Water Demand, ET-534C: Water Resources Planning	New Delhi	Indira Gandhi National Open University	1999	30	81-7605-686-3
5	jointly with Shri S. K. Govil	Unit 6: Water for Agriculture, Block 2: Water Demand, ET-534C: Water Resources Planning	New Delhi	Indira Gandhi National Open University	1999	22	81-7605-686-3
6	jointly with Dr. C. K. Jain	Unit 7: Water for Municipal and Industrial Uses, Block 2: Water Demand, ET-534C: Water Resources Planning	New Delhi	Indira Gandhi National Open University	1999	23	81-7605-686-3
7	jointly with Dr. G. Elumalai	Unit 11: Manpower and Personnel Developmen, Block 3: Planning of Water Resources Projects, ET-534C: Water Resources Planning	New Delhi	Indira Gandhi National Open University	1999	19	81-7605-695-2
8	jointly with Dr. Indra Mani	Unit 9: Reclamation of Salt	New Delhi	Indira Gandhi National	2000	17	81-7605-860-2

	Mishra	Affected Soils, Block 2 Drainage of Agricultural Lands, ET-537A: Soil Conservation and Agronomy		Open University			
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4. Research Articles/Publications:

SNo.	Author/ Co-author (if any)	Title	Name of Journal	Volume	page no. (s)	Year	ISSN No
1.	P.K. Sen , Padma Vasudevan Sen, Anurag Mudgal, S.N. Singh, S.K. Vyas , & Philip Davies	<i>A small scale Multi-effect Distillation (MED) unit for rural micro enterprises: Part I—design and fabrication</i>	Desalination -The International Journal on the Science and Technology of Desalting and Water Purification, Elsevier B.V.	279	15-26	2011	
2.	Padma Vasudevan Sen, Sen, P.K., S.K. Vyas , & A. Mudgal	<i>A Small-Scale Multiple Effect Water Distillation System (MEWD) for Rural Sector</i>	Proceedings of the International Conference on Mechanical Engineering , Dhaka, 29-31 December 2007		AM-57: 1-7	2007	
3.	Sen, P.K., Sen, Padma V., Vyas , S.K. & Hegde, S. (2004 ^a),	<i>A Small-Scale Multiple Effect Water Distillation System for Rural Sector Part 1: Fabrication, Operation and Economics</i>	Proceedings of the 2nd BSME-ASME International Conference on Thermal Engineering , Dhaka, 2-4 January 2004		588-593	2004	
4.	Sen, P.K., Sen, Padma V., Vyas , S.K. & Hegde, S. (2004 ^b)	<i>A Small-Scale Multiple Effect Water Distillation System for Rural Sector Part 2:</i>	Proceedings of the 2nd BSME-ASME International Conference on Thermal		594-599	2004	

		<i>Experimentation and Simulation,</i>	Engineering, Dhaka, 2-4 January 2004				
5.	Sen, P.K., Sen, P.V., Vyas, S.K. and Hegde, S. (2003)	<i>Performance Evaluation of a Small-Scale Multiple Effect Water Distillation Unit,</i>	Proceedings of 30th National Conference on Fluid Mechanics and Fluid Power, National Institute of Technology Karnataka, Surathkal (India), December, 2003.		517- 523	2003	
6.	Sen, P.K., Sen, Padma V. & Vyas, S.K. (2002)	<i>Water Purification by Multi-effect Distillation for Rural Drinking Water Supply</i>	Proceedings of Second International (29th National) Conference on Fluid Mechanics and Fluid Power, IIT Roorkee	2	982- 990	2002	
7.	Sen, P.K., Sen, Padma V., Vyas, S.K. & Kishore, R.K. (2001)	<i>Design and Manufacturing of a Small Scale Water Distillation System for Rural Areas</i>	Proceedings of 28th National Conference on Fluid Mechanics and Fluid Power (Volume-2) Punjab Engineering College, Chandigarh	2	432- 440	2001	
8.	Hegde, S., Manson, D.B., Sen, P.K., Sen, Padma V., & Vyas, S.K. (1999)	<i>Design of Mini Multi-Effect Distillation System for Drinking water Production</i>	Proceedings of 11th ISME Conference on Mechanical Engineering, February 3-5, 1999, IIT Delhi		216- 221	1999	
9.	Sen, P.K., Sen, Padma V., Vyas, S.K. & Hegde, S. (1998 ^a)	<i>Producing Drinking Water Using Vapour Compression and Multi-Effect Distillation,</i>	Proceedings of International Workshop on Technology Options for Sustainable Drinking Water System, August 10, 1998, Trivendrum.			1998	
10.	Sen, Padma	<i>Water</i>	Proceedings of		I-3 –	1998	

	V., Sen, P.K., Hegde, S., Vyas, S.K., Turner, S. & Manson D.B. (1998 ^b)	<i>Demineralisation: Technological Options Part I : An Overview,</i>	National Workshop on Recent Trends in Ion Exchange Technology and Demineralisation Processes, November 10-11, 1998, NTPC, Noida		I-12		
11.	Sen, Padma V., Sen, P.K., Hegde, S., Vyas, S.K., Turner, S. and Manson D.B. (1998)	<i>Water Demineralisation: Technological Options Part II : Demineralisation by Distillation,</i>	Proceedings of National Workshop on Recent Trends in Ion Exchange Technology and Demineralisation Processes, November 10-11, 1998, NTPC, Noida		I-13 - I-21	1998	
12.	Hegde, S., Vyas, S.K., Sen, Padma V. & Sen, P. K. (1997),	Feasibility Study of a Water Distillation System Using Vapour Compression,	Proceedings of 24th National Conference on Fluid Mechanics and Fluid Power (Volume-2), December 26-28, 1997, B. E. College, Howrah (W. B.)	2	G-83 – G-90.	1997	
13.	Shiv Kumar Vyas and P.B.S. Sarma (1992)	<i>An Analytical Model for Estimation of Flows at various Locations in a canal Command Area,</i>	Irrigation and Power Journal; Central Board of Irrigation and Power, New Delhi, India. (This Journal is now published as Water & Energy International Journal.)	49	125-137	1992	

5. Policy Documents Reports/ Mimeos:

SNo.	Title	Institution/ Agency	Year
1.	Issues for Consideration of VC, IGNOU	IGNOU	2006
2.			
3.			

6. Book Review published :

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

7. Presentation/Invited talk/Chair in National or International Seminar/Conference/ Workshops (Please do not mention if it is only participation without presentation)

SNo.	Author/ Co author (if any)	Title of presentation, /Talk/Lecture	Name Organizing institute	Conference	City	Date and Year

8. Study Tour Organised/ Participated/ Attachment Organized/Internship:

SNo.	Details of the tour	Name of coordinating body	Duration
1.			

9. Consultancy assignment (if any):

SNo.	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):

SNo.	Agency	Amount	Duration with dates	Status i.e. ongoing/ completed
1	Directorate General of Shipping, Mumbai under Ministry of Shipping, Government of India	Rs.10 Lakh	2006-2016	Completed
2	Hero MotoCorp Limited, India (Formerly, Hero Honda Motors Limited)	Rs.62.2 Lakh	2004-2013	Co-coordinator Completed

11. Details of PhD and MPhil Scholars (including those awarded degree):

SNo.	Name	and	Year of registration	Year of completion/
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	enrolment no:		award
1.			

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

SN o.	Programme	Course	Unit (print)/ Audio/Video/ eSLM	Coordinated/Written / Edited (content/ language/ format)/ Translated	Period
1	MBA (Construction management)	MMPN-003 : Planning and Construction of Buildings		Coordinated SLM for MMPN-003	2024- Contd.
1	B. Tech. (Civil -Water Resources Engineering) - BTWRE and B. Tech. (Civil – Construction Management) - BTCM. These programmes were initially launched as the Advanced Diploma in Water Resources Engineering and Advanced Diploma in Construction management.	ET-536A : Hydraulic Structure-I ET-536B/ ET-535B : Hydraulic Structure-II ET-532A :Hydrology ET-531B :Soil Science ET-531B : Soil Science	i) Energy Dissipators – A Programme on Hydraulics-Video 24 Minutes ii) Irrigation Channels Video 22 Minutes iii) Discharge Measurement in Streams -Video 20 Minutes iv) Determination of Physical & Chemical Properties of Soils-Video 26 minutes v) Determination of Moisture Content in Soils -Video 21 Minutes	Coordinated B. Tech. (Civil -Water Resources Engineering) - BTWRE Programme. Jointly written Eight Units and Edited several units/blocks of the programmes including BTCM programme	1989-2019
2	Certificate in Motorcycle Service and Repair (CMSR)	NET-001 : Starter Kit NET-002 : Motorcycle Service and Maintenance	-Introduction to Service Sector -The Motorcycle -Entrepreneurship Development -Tools and Equipment -Motorcycle	Editing and Vetting of Hindi version of course material Co-ordinated the programme with Prof. Manoj Kulshrestha	2005-2014

		NET-003 : Motorcycle Repair and Troubleshootin g	Servicing - Service and Maintenance Procedures -Motorcycle Repairing -Basic Troubleshooting of Motorcycle -General Safety and Service Tips		
3	B.Sc. (Nautical Science) -BNS; Advance Diploma in Nautical Science - ADNS; Diploma in Nautical Science	108 Credits worth Programmes		Coordinated the Programme along with Dr. Ashish Agarwal who was the Co- ordinator (upto 2009 barring about 02 months when he Coordinated the programme Earlier to my taking over as the Coordinator, Prof. Gayatri Kansal Coordinated the programme.	2006-2016

13. Training programmes designed and conducted, duration and dates

SNo.	Programme	Dates	Place	Number of Participants

14. Details of Counselling sessions conducted:

SNo.	Program me	Course	Place	Dates	Duration	Mode (Specify- Face to Face Radio counselling Teleconferencing Web conferencing Any Other)

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

SNo.	Chairperson/	Name of the Committee	Date/ period
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	Member of Committee		
1.	Member	Have worked as a member in several Committees as assigned by the University from time to time relating to the Convocation, Construction and Maintenance Division, Vigilance, Material Production and Distribution Division etc.	

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

SNo.	Designation	Period
	Project Coordinator (IGNOU-DGS Project)	2006-2016
	Project Co-coordinator (IGNOU-HHML Project)	2005-2014

18. Any other contribution/information

Conceived and established a feature rich Telephone Exchange (EPABX) for IGNOU with 1500 lines expandable to 3000 lines starting from the proposal to supervision of execution and its functioning and maintenance guidance. Have been also contributing in resolving/ representing legal issues relating to the School.

Signature of Teacher /Academic

Signature of Director/ Head