

1. Details of the Teacher/ Academic :

Name:	Prof. Sanjay Agrawal
Date of Birth	July 01, 1976
Date of Joining in IGNOU:	December 21, 2011
Current Designation:	Professor in Electrical Engineering
Pay Scale as on date :	Level 14
Highest Educational Qualifications& Discipline	PhD (IIT Delhi) and Post Doc(UCLA, CA, USA) Electrical Engineering

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
Prof.Sanjay Agrawal	Bhaskara Advanced Solar Energy fellowship award	DST and Indo US science and technology forum (IUSSTF). Working place: Smart Grid Energy Research Centre, UCLA, Los Angeles, CA,USA	2015
Prof.Sanjay Agrawal	Fellow	Institution of Engineers (India)	Since 2020
Prof.Sanjay Agrawal	Charted Engineer	Institution of Engineers (India)	Since 2020
Prof.Sanjay Agrawal	Senior Member	IEEE, USA	Since 2021
Prof.Sanjay Agrawal	Member	School Board, School of Education	Since 2021
Prof.Sanjay Agrawal	Member	School Board, School of Education	Since 2021
Prof.Sanjay Agrawal	Member	Academic Council, IGNOU, New Delhi	2020-2021
Prof.Sanjay Agrawal	Member of Academic Council	Chhattisgarh Swami VivekanandTechnical University, Bhilai	Jan 23- Oct 24
Prof.Sanjay Agrawal	Member of Executive Council	Chhattisgarh Swami VivekanandTechnical University, Bhilai	Jan 23- Oct 24
Prof.Sanjay Agrawal	Member, Board of studies	Electrical Engineering Department, Aligarh Muslim University, U.P	Jan 23- Dec 24
Prof.Sanjay Agrawal	Member of Academic Council	Faculty of Engineeringand Technology, IGDTUW, Delhi	November 23 to till Date
Prof.Sanjay Agrawal	Member, Board of studies	Electrical Engineering Department, KIET Ghaziabad	June 24 to till now

3. Books/Book Chapter:

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

SN o.	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	Sanjay Agrawal (author)	Comparative Analysis of Hybrid Photovoltaic Thermal Air Collectors: Design, modeling and Experiment to improve the overall efficiency of PV system	Saarbrucken, Germany	LAP LAMBERT Academic Publishing:G mbH& co.KG, Heinrich-Bocking-str 6-8, 66121, Saarbrucken, Germany (June 14, 2012),	June 14, 2012	180	13: 978-3659154478.
2	G.N. Tiwari, R.K. Mishra, C.S. Rajoria, Sanjay Agrawal (Co editor)	Proceeding of International Conference on Energy Security, Global warming and Sustainable Climate, SOLARIS- 2012	India	I.K. International publishing House Pvt . Ltd, New Delhi	2012	740	978-93-8232-03-9
3.	Sonveer Singh, Sanjay Agrawal (co-author)	Analog and Digital Electronics	India	I.K. International publishing House Pvt . Ltd, New Delhi	2019	620	978-93-86768-57-5
4	Anmol Gupta, Sourav Diwania, Sanjay Agrawal, Anwar S Siddiqui, Yash Pal	A Bibliographical View on Research and Developments of Photovoltaic and Thermal Technologies as a Combined System: PV/T System	UK	Springer	2021		1876-1100
5	Sourav Diwania, Anmol Gupta, Anwar S Siddiqui, Sanjay Agrawal	Exergetic Analysis of Glazed Photovoltaic Thermal (Single-Channel) Module Using Whale Optimization Algorithm and Genetic Algorithm	UK	Springer	2021		1876-1100
6	Sumit Kumar, Sourav	Role of Optimization	UK	Springer	2021		978-981-15-5313-4

	Diwania, Anwar S Siddiqui, Sanjay Agrawal	Algorithms in Enhancing the Performance of Photovoltaic Thermal (PV/T) Systems					
7	Amit Kumar Dash, Sanjay Agrawal, Sanjay Gairola, Shweta Shukla	Analysis, Design, and Comparison of Different Building-Integrated Photovoltaic Thermal (BIPVT) System for Indian Meteorological Condition	UK	Springer	2021		978-981-13-7557-6
8	Sanjay Agrawal , Rajeev Mishra	Renewable Energy Technologies	India	All India Council for Technical Education (AICTE), New Delhi ,,	2023		ISBN 78-81-961834-3-1.

4. Research Articles/Publications:

International Journal Publications: 70 (Total citation: **2849**, i-10 Index-**43**, h-index-**28**) as per Google scholar.

SNo.	Author/ Co-author (if any)	Title	Name of Journal	Volume	page no. (s)	Year	ISSN No
1.	Sanjay Agrawal and G.N. Tiwari	Energy and exergy analysis of hybrid micro-channel photovoltaic thermal module.	Solar Energy, Elsevier	85	356-370	2011	0038-092X
2.	Sanjay Agrawal and G.N. Tiwari	Performance evaluation of hybrid modified micro-channel solar cell thermal tile: an experimental validation	International Journal of Engineering Science and Technology	83	244-254	2011	2141-2839
3.	Sanjay Agrawal and Arvind Tiwari	Experimental validation of glazed hybrid micro-channel solar cell thermal tile.	Solar Energy, Elsevier	85	3046-3056	2011	0038-092X
4.	Sanjay Agrawal, C.S. Rajoria and G.N. Tiwari	Overall thermal energy and exergy analysis of hybrid photovoltaic thermal array	Solar Energy, Elsevier	86	1531-1538	2012	0038-092X
5.	Sanjay Agrawal, G.N. Tiwari and H.D. Pandey	Indoor experimental Analysis of glazed hybrid photovoltaic thermal tiles air collector connected in series.	Energy and Building, Elsevier	53	145-151	2012	0378-7788
6.	Sanjay Agrawal and G. N. Tiwari,	Exergoeconomic analysis of glazed hybrid photovoltaic	Solar Energy, Elsevier	86	2828-2838	2012	0038-092X

		thermal module air collector.					
7.	C.S. Rajoria, Sanjay Agrawal and G. N. Tiwari	Carbon credit earned by hybrid photovoltaic thermal array.	Journal of Fundamentals of Renewable Energy and Applications		doi:1 0.430 3/jfre a/R12 0304	2012	20904533
8.	G. K. Singh, Sanjay Agrawal and G. N. Tiwari	Analysis of Different Types of Hybrid Photovoltaic Thermal Air Collectors: A Comparative Study	Journal of Fundamentals of Renewable Energy and Applications		doi:1 0.430 3/jfre a/R12 0304	2012	20904533
9.	Sanjay Agrawal and G.N.Tiwari	Overall energy, exergy and carbon credit earned by different type of hybrid photovoltaic thermal air collectors	Energy conversion and Management, Elsevier	65	628-636	2013	0196-8904
10.	C.S. Rajoria, Sanjay Agrawal and G.N.Tiwari	Exergetic and enviroeconomic analysis of novel hybrid PVT array	Solar Energy, Elsevier	88	110-119	2013	0038-092X
11.	Sanjay Agrawal, and G. N. Tiwari	Enviroeconomic analysis and energy matrices of glazed hybrid photovoltaic thermal module air collector	Solar Energy, Elsevier	92	139-146	2013	0038-092X
12.	Sonveer Singh, Sanjay Agrawal, Arvind. Tiwari, I.M. Al-Helat, D.V.Awasthi	Modeling and Parameter Optimization of Hybrid Single Channel Photovoltaic Thermal Module Using Genetic Algorithms”	Solar Energy, Elsevier	113	78-87	2015	0038-092X
13.	Sanjay Agrawal, and G. N. Tiwari	Performance analysis in terms of carbon credit earned on annualized uniform cost of glazed hybrid photovoltaic thermal air collector	Solar Energy, Elsevier	115	329-340	2015	0038-092X
14.	Sonveer Singh, Sanjay Agrawal, G.N.Tiwari and Deeipka Chauhan	Application of Genetic Algorithm with Multi-objective Function to Improve the Efficiency of Photovoltaic Thermal System	Solar Energy, Elsevier	117	153-166	2015	0038-092X
15.	Sonveer Singh, Sanjay Agrawal, Rajit Gadh	Optimization of SCGPVT Array Using Evolutionary Algorithm (EA) and Carbon Credit Earned by the Optimized Array	Energy Conversion and Management, Elsevier	10	303-312	2015	0196-8904
16.	Sonveer Singh, Sanjay Agrawal	Parameter Identification of the glazed photovoltaic thermal system using	Energy Conversion and Management, Elsevier	105	763-771	2015	0196-8904

		Genetic Algorithm-Fuzzy System (GA-FS) approach and its comparative study					
17.	C.S. Rajoria, Sanjay Agrawal and G.N.Tiwari	Exergetic and enviroeconomic comparison of PVT arrays based on optimum air flow configuration	Solar Energy, Elsevier	122	1138-1145	2015	0038-092X
18.	C.S. Rajoria, Sanjay Agrawal, Amit K. Dash, G.N. Tiwari, M.S. Sodha	A newer approach on cash flow diagram to investigate the effect of energy payback time and earned carbon credits on life cycle cost of different photovoltaic thermal array systems	Solar Energy, Elsevier	124	254-267	2016	0038-092X
19.	Sonveer Singh, Sanjay Agrawal	Design, Modeling and Performance Analysis of Dual Channel Semicrystalline Photovoltaic Thermal Hybrid Module in the cold environment	Energy Conversion and Management, Elsevier	114	241-250	2016	0196-8904
20.	C.S. Rajoria, Sanjay Agrawal, Subhash Chandra, G.N. Tiwari, D.S. Chauhan	Novel investigation of Building Integrated Photovoltaic Thermal (BiPVT) System: a Comparative Study	Solar Energy, Elsevier	131	107-118	2016	0038-092X
21.	Sonveer Singh, Sanjay Agrawal	Efficiency maximization and Performance Evaluation of Hybrid Dual Channel Semicrystalline Photovoltaic Thermal Module using Fuzzyfied Genetic Algorithm	Energy Conversion and Management, Elsevier	122	449-461	2016	0196-8904
22.	G.S. Chaurasia, Sanjay Agrawal, N. K. Sharma	A meta-heuristic firefly algorithm based smart control strategy and analysis of a grid connected hybrid photovoltaic/wind Distributed Generation System	Solar Energy, Elsevier	150	265-254	2017	0038-092X
23.	Sumit Sharma, Sanjay Agrawal, G.N. Tiwari	PVT air collector integrated Greenhouse Dryers: A Review	Renewable & Sustainable Energy Reviews, Elsevier	90	142-159	2018	1364-0321
24.	Subhash Chandra, Sanjay Agrawal, D S Chauhan	Soft computing based approach to evaluate the performance of solar PV module considering wind	Energy Reports, Elsevier	4	252-259	2018	2352-4847

		effect in laboratory condition					
25.	A Dash, S Agrawal, S Gairola, S Singh	Optimization and Performance Characteristics of Building Integrated Photovoltaic Thermal (BIPVT) System in Cold Climatic Conditions	Asian Journal of Water, Environment and Pollution	15 (3)	63-72	2020	0972-9860
26.	Subhash Chnadra, Sanjay Agrawal, D S Chauhan	Effect of Ambient Temperature and Wind Speed on Performance Ratio of Polycrystalline Solar Photovoltaic Module: an Experimental Analysis	International Energy Journal, RERIC, AIT	2	171-180	2018	1513-718X
27.	Sourav Diwania, Sanjay Agrawal, Anwar S Siddiqui	Performance enhancement of single-channel glazed photovoltaic thermal module using Whale Optimisation Algorithm and its comparative study	International Journal of Ambient Energy, Taylor & Francis	1	2521-11	2018	0143-0750
28.	AK Dash, S Gairola, S Agrawal, S Shukla	A Novel Investigation and Comparative Study on Building Integrated Photovoltaic Thermal (BIPVT) System	International Journal of Mathematical, Engineering and Management Sciences	4		2019	2455-7749
29.	S Diwania, A Gupta, AS Siddiqui, S Agrawal, Y Pal	Performance assessment of hybrid PVT air collector using GSA-CS algorithm	IOP Conference Series: Materials Science and Engineering	691 (1)	0120 62	2019	1757-8981
30.	A Gupta, S Agrawal, Y Pal	Effect of thermoelectric materials in electrical and thermal performance of photovoltaic thermal (PVT) collector	IOP Conference Series: Materials Science and Engineering	691 (1)	0120 36	2019	1757-8981
31.	AK Dash, S Agrawal, S Gairola, S Shukla	Exergoeconomic and Envirnoeconomic Analysis of Building Integrated photovoltaic Thermal (BIPVT) System and its Optimization	IOP Conference Series: Materials Science and Engineering	691 (1)	0120 78	2019	1757-8981
32.	S Diwania, A Gupta, AS Siddiqui, S Agrawal	Exergetic Analysis of Glazed Photovoltaic Thermal (Single-Channel) Module Using Whale Optimization Algorithm and Genetic Algorithm	Intelligent Computing Techniques for Smart Energy Systems, Springer		591-600	2020	
33.	Sourav Diwania,	Photovoltaic-thermal (PV/T) technology: a	International Journal of Energy and	11 (1)	33-54	2020	2251-6832

	Sanjay Agrawal, Anwar S Siddiqui	comprehensive review on applications and its advancement	Environmental Engineering				
34.	A Gupta, S Agrawal, Y Pal	Performance Evaluation of Hybrid Photovoltaic Thermal Thermoelectric Collector Using Grasshopper Optimization Algorithm With Simulated Annealing	Journal of Solar Energy Engineering	142 (6)		2020	0199-6231
35.	Sanjay Agrawal, Sachin Goyal, Vinay K. Deolia	A Comparative study of FLC Tuned PID Controller and Conventional PID Controller for the Pitch Control of Wind Turbine in Turbulent Winds	International Journal of Advanced Science and Technology	29 (03)	446-454	2020	2005-4238
36.	S Diwania, AS Siddiqui, Sanjay Agrawal, R Kumar	Performance assessment of PVT-air collector with V-groove absorber: A theoretical and experimental analysis	Heat and Mass Transfer, Springer	29 (03)	1-15	2020	1432-1181
37.	Pankaj K Gupta, Abhishek Misal, Sanjay Agrawal	Development of low cost reflective panel solar cooker	Materials Today: Proceedings, Elsevier	217	223-234	2021	2214-7853
38.	AK Yadav, VK Deolia, S Agrawal	Exploring the Resonant Characteristic of Third Order Passive Filter based Quasi-Z-Source Inverter	International Journal of Electronics, Taylor & Francis	108(12)	2100-2121	2021	00207217
39.	Arvind Yadav, Vinay Kumar Deolia, Sanjay Agrawal	Dual Current Loop Control for a Third-Order Passive Damped Filter Based Quasi-Z-Source Inverter	ECTI Transactions on Electrical Engineering, Electronics, and Communications	19 (01)	12-22	2021	1685-9545
40.	S Diwania, S Agrawal, AS Siddiqui	Performance enhancement of single-channel glazed photovoltaic thermal module using Whale Optimisation Algorithm and its comparative study	International Journal of Ambient Energy, Taylor & Francis	42 (04)	422-434	2021	01430750
41.	S Diwania, S Agrawal, AS Siddiqui,	Modeling and assessment of the thermo-electrical performance of a photovoltaic-thermal (PVT) system using different nanofluids	Journal of the Brazilian Society of Mechanical Sciences and Engineering, Springer	43 (04)	01-18	2021	1806-3691
42.	Arvind Yadav, Vinay Deolia, and	Decoupled Control of Quasi-Z Source Inverter for	International Journal of Power Electronics, InderScience Publishers	14 (1)	37-55	2021	1756-638X

	Sanjay Agrawal	Decentralized Renewable Energy Application					
43.	A Gupta, S Agrawal, Y Pal	Performance analysis of the photovoltaic-thermoelectric system combined with serpentine type water collector	International Journal of Energy Research, John Wiley & Sons, Inc	45(13)	1914 7- 1916 4	2021	1099-114X
44.	Arvind Yadav, Vinay Deolia, and Sanjay Agrawal	Indirect closed loop control of Quasi-Z-Source inverter for standalone solar PV based energy conversion system	International Journal of Power and Energy Conversion, InderScience Publishers	12 (3)	236- 251	2021	1757-1162
45.	Harish Kumar Ghritlahre, Manoj Verma and Sanjay Agrawal,	Development of novel cabinet solar dryer using UV sheet and its performance evaluation: An experimental Study	Solar Energy, Elsevier	239	1-9	2022	0038-092X
46.	A Gupta, S Agrawal, Y Pal	Energy and exergy performance evaluation of a novel photovoltaic-thermoelectric system combined with tube and sheet serpentine water collector	International Journal of Green Energy	19 (4)	365- 379	2022	1543-5075
47.	Harish Kumar Ghritlahre, Manoj Verma, Jyoti Singh Parihar, Dilbag Singh Mondloe, Sanjay Agrawal	A detailed review of various types of solar air heaters performance	Solar Energy, Elsevier	237	173- 195	2022	0038-092X
48.	Sanjay Agrawal, G.S.Chaurasia, Ambarisha Mishra	Simulation & Performance Analysis Stand-by Distributed Generation System using MATLAB	Indian Journal of Engineering and Materials Sciences (IJEMS)	29	622- 629	2022	0971-4588
49.	Sanjay Agrawal, Jitender Kumar	Comparative Analysis of Hybrid Photovoltaic Thermal (PV/T) Solar Dryer	Asian Journal of Water, Environment and Pollution	24		2022	0972-9860
50.	Sachin Goyal, Vinay Kumar Deolia, Sanjay Agrawal	An advanced neuro-fuzzy tuned PID controller for pitch control of horizontal axis wind turbines	ECTI Transactions on Electrical Engineering, Electronics, and Communications	20	296- 305	2022	1685-9545
51.	Harish Kumar Ghritlahre, Manoj Verma, Jyoti Singh Parihar, Dilbag Singh Mondloe, Sanjay	Experimental Investigation of Mixed Mode Ultraviolet Tent House Solar Dryer Under Natural Convection Regime"	Solar Energy, Elsevier	251	51-67	2023	0038-092X

	Agrawal						
52.	Satish Kumar, Neelam Dewangan, Geetanjali Verma, Harish Kumar Ghritlahre, Manoj Verma, Yogesh Kumar, Sanjay Agrawal, Shiena Shekhar,	Performance analysis of natural and forced convection mixed mode UV tent house solar dryer for potato drying	Energy Sources, Part A: Recovery, Utilization, and Environmental Effects	45(4)	1148 2- 1150 4	2023	1556-7036
53.	Neelam Dewangan, Geetanjali Verma, Harish Kumar Ghritlahre, Manoj Verma, Satish Kumar, Yogesh Kumar, Sanjay Agrawal,	An experimental investigation of mixed-mode tent house solar dryer using ultraviolet sheet for drying potato slices	Energy Sources, Part A: Recovery, Utilization, and Environmental Effects	45(4)	1144 6- 1146 6	2023	1556-7036
54.	Awaneendra Kumar Tiwari, Kalyan Chatterjee, Sanjay Agrawal, Gyanendra Kumar Singh	A comprehensive review of photovoltaic-thermal (PVT) technology: Performance evaluation and contemporary development	Energy Reports, Elsevier	10	2655- 2679	2023	ISSN: 2352-4847
55.	Sourav Diwania, Maneesh Kumar, Varun Gupta, Sanjay Agrawal, Pavan Khetrapal, Neeraj Gupta	Insight into the Investigation of Thermo-Electrical Performance of Hybrid Photovoltaic-Thermal Air-Collector	Journal of The Institution of Engineers (India): Series B		1-24	2024	2250-2114
56.	Sachin Goyal, Vinay Kumar Deolia, Sanjay Agrawal	Performance Evaluation of GA-Optimized TSFL Pitch Controller for 2 Mass Drive Train HAWTs	Journal of Electrical Engineering & Technology		3515 - 3526	2024	1975-0102
57.	Satish Kumar, Harish Kumar Ghritlahre, Sanjay Agrawal, Shiena Shekhar	An experimental investigation of active mixed-mode solar dryer utilizing north wall reflector	Energy Sources, Part A: Recovery, Utilization, and Environmental Effects	46(1)(1681 3- 1683 5	2024	1556-7036

58.	Satish Kumar, Harish Kumar Ghritlahre, Sanjay Agrawal, Shiela Shekhar	Investigation of a novel mixed-mode solar dryer using north wall reflector: An experimental study	Solar Energy, Elsevier	282	1129 09	2024	0038-092X
59.	Sanjay Agrawal, Jitendra Kumar, Satish Kumar	Performance Analysis and Environmental Evaluation of a Photovoltaic Thermal (PVT) Air Collector Solar Dryer	MAPAN-Journal Metrology Society of India1	6	1129 09	2025	0970-3950

5. Policy Documents Reports/ Mimeo:

SNo.	Title	Institution/ Agency	Year
1.			

6. MOOCs/ eSLMs/ eModules developed :

1. Coordinator of Course “Emerging Technologies in Renewable Energy Sources” (04 Credit)

Under this Course, lecture recorded by coordinator himself: **10. On offer from July 2023**

2. Coordinator of Course “Power generation technologies” (04 Credit) Under this Course, lecture recorded by coordinator himself: 10.

On offer from July 2023

3. Coordinator of Course “Principles of Electrical Sciences” (04 Credit) Under this Course, lecture recorded by coordinator himself: 38.

On offer from July 2020

4. Coordinator of Course “Renewable Energy Technologies and Their Uses” (04 Credit).

Under this Course, lecture recorded by Coordinator himself: 25.

On offer from July 2021.

5. Coordinator of Course “Industrial Automation and Drives” (04 Credit) Under this Course, lecture recorded by coordinator himself: 10.

On offer from July 2024

6. Coordinator of Course “Maintenance and Testing of Electrical Machines” (04 Credit)

Under this Course, lecture recorded by coordinator himself: 10.

On offer from July 2024

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

1.	Sanjay Agrawal	Photovoltaic thermal application	IIT Delhi	QIP Short Term Course	Delhi	December 03, 2011
2.	Sanjay Agrawal	Emerging Trends in Renewable Energy Technology	Uttam Devi Mohan Lal College of Engineering	National Conference	Jaipur	April 21-22, 2012
3.	Sanjay Agrawal	Application of renewable energy sources	IIT Delhi	QIP Short Term Course	Delhi	December 11, 2013
4.	Sanjay Agrawal	Renewable in Science and Engineering	NIT Silchar	Short Term Course	Silchar	January 11, 2013
5.	Sanjay Agrawal	Hybrid photovoltaic technologies	MITS Gwalior	Short Term Course	Gwalior	January 16, 2014
6.	Sanjay Agrawal	Recent Advance in Electronics and Communication Engineering	ITS, Greater Noida	National conference	Greater Noida	March 28, 2014
7.	Sanjay Agrawal	The Role of Engineers as Entrepreneurs in Current Scenario	SIET, SVSU, Meerut	International conference	Meerut	June 28, 2014
8.	Sanjay Agrawal	Advances in Solar Energy Technologies	IIT Delhi	QIP Short Term Course	Delhi	December 09, 2014
9.	Sanjay Agrawal	Advances in Solar Energy	MITSGwalior	Short Term Course	Gwalior	February 05, 2015
10.	Sanjay Agrawal	Energy Research and Management	PDM CTM, Bahadurgarh,	workshop cum seminar	Bahadurgarh	July 14, 2015
11.	Sanjay Agrawal	Recent Trends in Alternative Energy Sources	SIT, Mathura	National Level Seminar	Mathura	August 09, 2015
12.	Sanjay Agrawal	Application of Solar Energy	GCET Gr Noida	Seminar	Greater Noida	August 22, 2015
13.	Sanjay Agrawal	Futuristic Trends in Electronics & Renewable Energy	SIET, Gr Noida	Seminar	Greater Noida	October 21, 2015
14.	Sanjay Agrawal	Alternate Energy Sources and Energy Efficiency in India	TERI University, New Delhi	MDP	New Delhi	August 08, 2016
15.	Sanjay Agrawal	Renewable Energy Potential and Status	BVCoE, , New Delhi	National seminar	New Delhi	November 09, 2016
16.	Sanjay Agrawal	Renewable Energy sources for Sustainable Climate	Varanasi	National Conference	Varanasi	February 09, 2017
17.	Sanjay Agrawal	Solar Energy Applications	MITS, Gwalior	Short Term Course	Gwalior	March 08, 09, 2017.
18.	Sanjay Agrawal	Adaptive Neural Fuzzy Inference System (ANFIS) and its Application	KIET, Ghaziabad	FDP	Ghaziabad	July 14, 2017
19.	Sanjay Agrawal	Intelligent Management of Renewable Energy Technologies	YMCA UST	FDP	Faridabad	January 19, 2018
20.	Sanjay Agrawal	Recent Advances in Power Electronics and Drive	S.R.M.S. College of Engineering & Technology, Bareilly	FDP	Bareilly	July 12, 2018
21.	Sanjay Agrawal	Challenges & Opportunities; Opportunities in Energy Sector for Smart India	MIT, Moradabad	FDP	Moradabad	September 12, 2018

22.	Sanjay Agrawal	Sustainable & Reliable Solutions to Power Quality Problems in Smart Power System Network	JSS, Noida	FDP	Noida	October 10, 2018
23.	Sanjay Agrawal	Recent Trends in Power System Management	Rajkiya Engineering College, Banda (U.P.)	STC	Banda (U.P.)	November 30, 2018
24.	Sanjay Agrawal	Thermodynamics and its Applications to Solar Energy Systems Design	MITs, Gwalior	STC	Gwalior	March 09, 2019
25.	Sanjay Agrawal	Hybrid Photovoltaic Thermal System and Solar still	SSIPMT, Raipur	workshop	Raipur	July 11, 2019
26.	Sanjay Agrawal	MATLAB and its application	SRMS Bareli	FDP	Bareli	July 20, 2019
27.	Sanjay Agrawal	Power Electronic Applications for Smart Grid, Electric Vehicles and Renewable Energy	JSS Noida	STTP	Noida	November 27, 2020
28.	Sanjay Agrawal	Energy Engineering	GL Bajaj, Gr. Noida	FDP	Gr. Noida	January 08, 2021
29.	Sanjay Agrawal	Renewable Energy Sources and Future Energy Needs	MITs Gwalior	FDP	Gwalior	January 15, 2021
30.	Sanjay Agrawal	EV integration with PVT	MITs Gwalior	International Conference	Gwalior	October 26, 2024
31.	Sanjay Agrawal	EV integration with Hybrid PVT system with EV: a way to improve efficiency of PV system	IIIT Gwalior	International Conference	Gwalior	December 03, 2024
32.	Sanjay Agrawal	Hybrid PVT system to improve overall efficiency of solar system	NSUT Delhi	AICTE sponsored ATAL FDP	Delhi	December 21, 2024
33.	Sanjay Agrawal	Opportunities for electrical engineers in wind energy market	AMU Aligarh	DST sponsored short term course	Aligarh	Feb 07, 2025

8. Consultancy assignment (if any):

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

9. 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	TEQIP-II, CSVTU Bhilai	3Lakh	One year	completed
2	TEQIP-II, CSVTU Bhilai	3 Lakh	One year	completed

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

SNo.	Name and enrolment no:	Year of registration	Year of completion/ award
1.	Dr.Sonveer Singh, 130140675 (Subhasrti University, Meerut)	2013	2016
2.	Dr. Deepika Chauhan, JNU/RS/2013/ET119 (JNU, Jaipur)	2013	2017
3.	Dr. Subhash Chandra,15-9130003 (GLA University, Mathura)	2015	2018
4.	Drr. G. S. Chaurasia, PhD/12/EE/1695 (Dr AKTU, Lucknow)	2012	2020
5.	Drr. Saurav Diwania, 16PHDEE019 (Jamia Millia Islamia, New Delhi)	2016	2021
6.	Dr Arvind Yadav, 15-9130003 (GLA University, Mathura)	2016	2021
7.	Dr . Amit Dash, Phd/13/EE/1345 (Dr AKTU, Lucknow)	2013	2022
8.	Dr Anmol Gupta, NIT Kurushetra	2016	2022
9.	Dr Sachin Goyal	2026	2024
10.	MrSaatish Kumar	2021	2025 (Viva is to be scheduled)

11. Details of Programmes/ Courses coordinated/written/ edited/ translated if applicable):

SNo.	Programme	Course	Unit (print)/ Audio/Video/ eSLM	Coordinated/Written / Edited (content/ language/ format)/ Translated	Period
1	PG Diploma in Industrial safety (PGCINDS) in Online 16 Credit	Programme Coordinator Design and Developed	MIS-021,MIS-022, MIS-023, MIS-024, MIS-25, MIS-026	Coordinated	Jan 2025

2	MSc(Industrial safety)(MSCIDS) First Year 16 Credit	Programme Coordinator Design and Developed	MIS-021,MIS-022, MIS-023, MIS-024, MIS-25, MIS-026	Coordinated	July 2024
3	PG Certificate in Industrial safety (PGCINDS) in ODL 16 Credit	Programme Coordinator Design and Developed	MIS-021,MIS-022, MIS-023, MIS-024	Coordinated	January 2021
4	PG Diploma in Industrial safety (PGCINDS) in ODL 16 Credit	Programme Coordinator Design and Developed	MIS-021,MIS-022, MIS-023, MIS-024, MIS-25, MIS-026	Coordinated	July 2022
5	Masers in Agri-Business Management Programme (SOA)	Non conventional Energy and clean Development Mechanism (NAME-039)	Unit IV, Wind Energy Utilization Technology	written	October 14, 2016
6	M.Sc. (Environmental Science)(SOITS)s	Sustainable Natural Resource Management	Unit 3: Solar and Hydropower Energy	written	June 12, 2019
7	Certificate in Motor Cycle Service and Repair (CMSR)	Motorcycle Repair and troubleshooting	Unit 1: The Motorcycle Transmission and Electrical System Unit 2: Basic Repair and Troubleshooting of Motorcycle. Unit 3: General Safety and Services Tips	Edited	November 2017
8	B.Tech in Electrical Engineering (BTELVI). (183credits)			Coordination (Academic)	January 2012-June 2019
9	B.Tech in Electronics & Communication Engineering (BTECVI). (183credits)			Coordination (Academic)	January 2012-June 2019
10	Diploma in Electrical Engineering (DELVI). (135credits)			Coordination (Academic)	January 2012-June 2019
11	Diploma in Electronics&Communication Engineering (DECVI). (135credits)			Coordination (Academic)	January 2012-June 2019

12. Training programmes designed and conducted, duration and dates

S.No.	Programme	Dates	Place	Number of Participants
1	One day workshop on “Energy Conservation and Renewable Energy”	April 22, 2014	IGNOU, New Delhi	60
2	“Use of Scientific and Technical Terminology in Science and Technology” Sponsored by CSTT, MHRD	November 25-26, 2019	IGNOU, New Delhi	100
3	One week online Faculty Development Programme (FDP”	June 08-12, 2020	IGNOU, New Delhi	120
4	One day online seminar on “Need and Importance of Industrial safety”	June 13, 2021	IGNOU, New Delhi	100
5	One week online Faculty Development Programme (FDP” Sponsored by ATAL-AICTE, New Delhi	August 23-27, 2021	IGNOU, New Delhi	200
6	One day webinar on “Energy Conservation Day”	December 14, 2021	IGNOU, New Delhi	100
7	Two day Seminar “National Education Policy for Technical Education Excellence and Scientific Terminology in Indian Language” Sponsored by CSTT, MHRD	June 23-24, 2023	CSVTU, Bhilai, Chhattisgarh	100
8	Two day Seminar “Enhancing Next Generation Technical Education and Scientific Terminologies with Indian Languages” Sponsored by CSTT, MHRD	July 08-09, 2024	CSVTU, Bhilai, Chhattisgarh	100

13. Details of Counselling sessions conducted:

S. No.	Programme	Course	Place	Dates	Duration	Mode (Specify- Face to Face Radio counselling Teleconferencing Web conferencing Any Other)
1.	DELVI	OIEE-001	IGNOU, New Delhi	March 26, 2013	One hr	Radio counselling
2.	BTME	BME-006	IGNOU, New Delhi	May 20, 2014	One hr	Radio counselling
3.	CETM	OEY-002	IGNOU, New Delhi	September 01, 2017	One hr	Radio counselling
4.	CETM	OEY-002	IGNOU, New Delhi	December 08, 2017	One hr	Radio counselling
5.	CETM	OEY-002	IGNOU, New Delhi	April 13, 2018	One hr	Radio counselling
6.	CETM	OEY-002	IGNOU, New Delhi	July 13, 2018	One hr	Radio counselling
7.	BTELVI	BIEL-022	IGNOU, New Delhi	May 20, 2012	45 Minute	Teleconferencing
8.	BTELVI	BIEL-022	IGNOU, New Delhi	May 20, 2012	45 Minute	Teleconferencing
9.	BTELVI	BIEE-014	IGNOU, New Delhi	January 20, 2013	45 Minute	Teleconferencing
10.	CETM	OEY-001	IGNOU, New Delhi	February 17, 2013	45 Minute	Teleconferencing
11.	BTELVI	BIEE-014	IGNOU, New Delhi	April 21, 2013	45 Minute	Teleconferencing
12.	CETM	OEY-001	IGNOU, New Delhi	May 15, 2013	45 Minute	Teleconferencing
13.	BTELVI	BIEL-022	IGNOU, New Delhi	September 15, 2013	45 Minute	Teleconferencing
14.	CETM	OEY-002	IGNOU, New Delhi	October 10, 2013	45 Minute	Teleconferencing
15.	CETM	OEY-002	IGNOU, New Delhi	April 20, 2014	45 Minute	Teleconferencing
16.	BTELVI	BIEL-022	IGNOU, New Delhi	May 18, 2014	45 Minute	Teleconferencing

14. Details of Patents granted (if any):

Title of the Invention: Improved Hybrid Solar Collector

File no: 202011044377 (October 12, 2020)

Status: Published

Title of the Invention: Hybrid Photovoltaic Thermal Apparatus with V-Groove Absorber

File no: 364184-001 (May 13, 2022)

Status: Published

Title of the Invention: Sheet and Tube-based Hybrid Photovoltaic Thermal System

File no: 367354-001 (July 06, 2022)

Status: Published

Title of the Invention: Hybrid Photovoltaic Thermal based solar dryer for food drying industry

Design no: 6385839 (August 28, 2024)

Status: Granted

15. Contribution to IGNOU's corporate life:

SNo.	Chairperson/ Member of Committee	Name of the Committee	Date/ period
1.	Member	Committee to shortlist the candidate for engagement to the post of Junior Consultant (Civil/Electrical) for CMD	November 18, 2013
2.	Member	Member of selection committee for engagement to the post of Junior Consultant (Civil/Electrical) for CMD	December 10, 2013
3.	Member	Committee for determination of cost benefit analysis of procurement, AMC/CAMC or hiring CCTV and allied services for IGNOU	July 31, 2014
4.	Member	Committee for procurement of electrical items for day to day maintenance of temporary blocks at IGNOU campus	May 05, 2014
5.	Member	Committee for negotiation of rate of AMC for the lift installed in Block no 15 campus, Maidan Garhi, New Delhi	October 08, 2014
6.	Member	Committee for negotiation of rate of AMC for the lift installed in Block no 15 campus, Maidan Garhi, New Delhi	October 28, 2014
7.	Member	Committee for negotiation of rate of AMC for the lift installed in Block no 15 campus, Maidan Garhi, New Delhi	December 04, 2014
8.	Member	Committee for determination of cost benefit analysis of procurement, AMC/CAMC or hiring CCTV and allied services for IGNOU	December 11, 2014
9.	Member	Committee for determination of cost benefit analysis of procurement, AMC/CAMC or hiring CCTV and allied services for IGNOU	December 18, 2014
10.	Member	Tender for opening and evaluation committee for furniture items	September 02, 2015
11.	Member	Tender opening and evaluation committee	Oct 06, 2015
12.	Member	Evaluation of technical bids for the online tenders of Centrifugal motor pump and motor set	September 27, 2016
13.	Member	Committee for Refreshment for organization of Convocation, Foundation day, G. Ram Reddy Memorial lecture.	November 2013- 2018
14.	Member	Inter School Group for Industry Interaction/Tie ups and NSQF compliance for skill development programme	December 08, 2016
15.	Member	Committee for Refreshment for organization of New Year programme on Janurary 02, 2017	December 15, 2016
16.	Member	Evaluation of technical bid for centrifugal pump and motor set	Aug 31, 2016
17.	Member	Meeting for survey the local market and purchase the electrical items for day to day maintenance of IGNOU building at HQ and AGVC.	November 09, 2016
18.	Member	Committee to investigate in the matter of Tender in Security Service Provider	September 24, 2018
19.	Member	Committee for "Finding the Facts" in respect of Sh. Satish Chand Sharma, Asstt. Engineer (Elect.), for non-cooperating to execute the official work,	July 10, 2019
20.	Member	Committee for finalizing new Precision Type ACs for data centre and server room	August 21, 2020

21.	Chairman	Auction Committee, CMD	November 2021
22.	Chairman	Transportation Committee	July 2022
23.	Member	Recruitment for Consultant in CMD	October 2025
24.	Member	Task Force for Effective Monitoring and Strengthening of Students Support Services	November 2025

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

SNo.	Designation	Period

17. Any other contribution/information

SNo.	Designation	Period
1	Discipline Coordinator	Since September 2021
2	Face book Coordinator	Since September 2021

Signature of Teacher /Academic

Sub: Approval to organize the Five-Days Expert Advisory Committee (EAC) Meeting on the Comprehensive Glossary of Engineering (English–Hindi–Sanskrit) of Commission for Scientific and Technical Terminology (CSTT), Ministry of Education, Government of India at SOET, IGNOU, New Delhi during 14 January 2026 to 18 January 2026