




JSS Mahavidyapeetha
JSS Academy of Technical Education, Noida
Department of Electrical and Electronics Engineering



FACULTY PROFILE

1. Personal Details

NAME	Dr. Anand Kumar Pandey	
DEPARTMENT	Electrical and Electronics Engineering	
DESIGNATION	Assistant Professor	
PHONE	7838434833	
EMAIL ID	anandkrpandey@jssaten.ac.in	
Date of Joining (JSSATEN)	13/08/2015	

2. Experience

Total Experience in Years: 11.5	Teaching: 11.5	Industry: 00	Research: 05
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3. Qualifications

COURSES	SPECIALIZATION	YEAR OF AWARD	INSTITUTION	UNIVERSITY
B.E.	Electrical and Electronics Engineering	2009	University Institute of Engineering and Technology	Panjab University, Chandigarh
M.Tech.	Power Systems	2011	National Institute of Technology	National Institute of Technology, Calicut
Ph.D.	Electrical Engineering	2020	Faculty of Engineering, Department of Electrical Engineering	Jamia Millia Islamia (A Central University)
Post Doc.	-	-	-	-

4. Research & Publications

Papers Published in SCI and Web of Science indexed Journals/Conference	International: 05	National: 00
Papers Published in SCOPUS indexed Journals/Conference	International: 15	National: 00
Papers Published in other Journals	International: 03	National: 00
Papers Presented in Conferences / Symposium	International: 10	National: 03
Books / Book chapters Published	-	-

5. Research Guidance

PhD Guide? Give field & University	-	-
PhDs / Projects Guided	Ph.D. Awarded: Nil Guiding: Nil	Projects at Bachelor's Level: 22

6. Grants

i. Funds Received (Projects)

Project Name	Grant Amount	Date of receiving the Grant	Duration	Grant issuing authority/ Body / Organization
Solar PV based Paddy harvester	50,000 Rs.	20/08/2019	One Year	GOI, Unnat Bharat Abhiyaan(UBA)

ii. Patents

Sl. No.	Title Details	Details of award of patent / Filed
1	Machine learning based solar tracking system and method thereof	patent no. 2021100895/Granted/14.04.2021
2	An effective management of battery selection along with its economic and risk analysis for solar photovoltaic system	Patent no. 202211036974 A/published/29.07.2022

iii. Consultancy

Title of the work	Amount in Rs.	Date of receiving the Grant	Duration	Grant issuing authority/ Body / Organization
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7. Awards Received

“Best Faculty”	Odd Semester, 2015-16 Even Semester, 2017-18 Odd and Even Sem, 2019-20
“Best Paper”	Ritvik Aulakah, Anushka Jaiswal, Sachine dev and Anand Kumar Pandey ,”GSM Based Power Theft Detection, Alert and Cut off System “, Proceedings of National Conference on Smart Energy, VLSI and Embedded Systems, (NCSEVES-2021), JSSATEN, 24 Sept. 2021.

8. Publications

i. International Journals

Sl. No.	Title of the paper	Name(s) of Author(s)	Name of the Journal	Volume No. Issue No. Year	WOS / Scopus / both	Impact Factor	Publisher
1	“Multi-objective optimal location and sizing of hybrid system using analytical crow search optimization algorithm”	Anand Kumar Pandey and Sheeraz Kirmani	International Transactions on Electrical Energy Systems	Vol.30 (5), 2020	SCI, WoS and Scopus	2.86	Willey
2	“Parameter-based Progressive Alpha Model Method based on Generalized Functions Analysis for Power System Reliability Enhancement Utilizing the Wind Energy System”	Iram Akhtar, Sheeraz Kirmani, Anand Kumar Pandey	IETE Journal of Research	https://doi.org/10.1080/03772063.2022.2138580	SCI, WoS and Scopus	2.33	Taylor and Francis

3	“Allocation of DG in Distribution Network using Parameter Independent JAYA Algorithm”	Anand Kumar Pandey , Ankesh Kumar, Sheeraz Kirmani and Iram Akhtar	Journal of Electrical Engineering and Technology (JEET)	DOI : 10.1007/s42835-022-01309-7	SCI and Scopus	1.53	Springer Nature
4	“Multi-Objective Optimal Location and Sizing of Hybrid Photovoltaic System in Distribution Systems Using Crow Search Algorithm”	Anand Kumar Pandey and Sheeraz Kirmani	International Journal of Renewable Energy Research	Vol.9(4), pp. 1681-1693, 2019	WOS and SCOPUS	5.127	International Journal of Renewable Energy Research
5	“Minimization of power losses with different types of DGs using CSA”	Anand Kumar Pandey , Sujatha K S and Sheeraz Kirmani	International Journal of Renewable Energy Research	Vol.10(4), pp. 1986-1997, Dec. 2020	WOS and SCOPUS	5.127	International Journal of Renewable Energy Research
6	“Placement of PV Units Considering Uncertainties of Generation and Load in Distribution Systems”	Anshu Parashar, Anand Kumar Pandey and Ritesh kumar Rai	International Journal of Recent Technology and Engineering	ISSN:2277-3878, Vol.9(2), pp.1200-1207, September 2020	Scopus, Google scholar	0.158	Blue Eyes Intelligence Engineering and Sciences Publication (BEIESP)
7	“Allocation of PV unit in distribution network using Analytical method”	Ritesh kumar Rai, Anand Kumar Pandey , Anshu Parashar and Sujatha K S	International Journal of Recent Technology and Engineering	ISSN:2277-3878, Vol.9(2), pp.1200-1207, July2020	Scopus, Google scholar	0.158	Blue Eyes Intelligence Engineering and Sciences Publication (BEIESP)

8	“Solution for partial shading problem of PV array in portable applications”	Ritesh kumar Rai and Anand Kumar Pandey	International journal of applied engineering research	ISSN:0973-4562, Vol.14(10), pp.26-32, 2019	Scopus, UGC approved	8.1	International journal of applied engineering research (IJAES)
9	“A Metaheuristic Approach to Find the Best Position and Size of a Photovoltaic System in Distribution Networks”	Anand K Pandey , Sheeraz Kirmani	International Journal of Engineering Science and Technology	ISSN:0975-5462, Vol.9(7), pp.26-32, July 2017	Scopus, Google Scholar	0.193	International Journal of Engineering Science and Technology (IJEST)
10	“Modeling and Simulation of single phase cycloconverter”	Ritesh kumar Rai and Anand Kumar Pandey	International Journal of Emerging Technologies and Engineering	ISSN:2348-8050, Vol.4(5), pp.04-06, May 2017	Scopus, Google Scholar	7.127	International Journal of Emerging Technologies and Engineering (IJETE)
11	“DG Installation in Distribution System for Minimum Loss”	Anand Kumar Pandey , Om Mishra, Alat and Saurabh kumar	International Journal of Engineering Research & Technology	ISSN:2278-0181, Vol.6(4), pp.1008-1012, April 2017	Mendeley, Google Scholar	7.87	International Journal of Engineering Research & Technology (IJERT)
12	“Modeling and simulation of Automatic three point starter”	Anand Kumar Pandey , Vishesh Sharma, Udit Mittal and Shardha Srivastava	International Journal of Engineering Research & Technology	ISSN:2278-0181, Vol.6(5), pp.232-234, April 2017	Mendeley, Google Scholar	7.87	International Journal of Engineering Research & Technology (IJERT)

ii. National Journals

Sl. No.	Title of the paper	Name(s) of Author(s)	Name of the Journal	Volume No. Issue No. Year	WOS / Scopus / Both	Impact Factor	Publisher
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iii. Conferences

Sl. No.	Title of the paper	Name(s) of Author(s)	Name of the Conference	DOI	WOS / Scopus / Both	Publisher
1	Implementation of Genetic Algorithm to find the optimal timing of Overcurrent relays	Sheeraz Kirmani and Anand K Pandey	IEEE Power Electronics and Motion Control Conference held on 25 th -30 th September 2016 in Varna Bulgaria	10.1109 /EPEPMC .2016.7752 031	Scopus	IEEE Xplore
2	Efficient Approach for DG placement and size in medium voltage distribution system	Anand Kumar Pandey and Sheeraz Kirmani	2nd IEEE International Conference on Power Electronics, Intelligent Control and Energy Systems (ICPEICES), Delhi India, Oct.22-24. 2018	10.1109/IC PEICES.20 18.8897454	Scopus	IEEE Xplore
3	Placement of distributed generator in distribution systems using crow search algorithm	Anand Kumar Pandey and Sheeraz Kirmani	IEEE international conference on Electrical, Electronics and Computer engineering, UPCON 2019 held on 08-10 November 2019 in AMU Aligarh, India	10.1109/UP CON47278. 2019.89801 57	Scopus	IEEE Xplore
4	Optimal location and sizing of DG using exhaustive search approach	Sheeraz Kirmani, Ankesh Kumar and Anand Kumar Pandey	IEEE international conference on Electrical, Electronics and Computer engineering, UPCON 2019 held on 08-10 November 2019 in AMU Aligarh, India	10.1109/UP CON47278. 2019.89802 55	Scopus	IEEE Xplore
5	Optimal Integration of Electric Vehicle Charging Stations and Distributed Generation in Distribution Network	Owais Khan, Sheeraz Kirmal, Mohd Rihan and Anand Kumar Pandey	2022 IEEE Students Conference on Engineering and Systems (SCES), 2022,MNNIT, Allahabad	pp. 01-06, doi: 10.1109/SCE S55490.2022 .9887650.	Scopus	IEEE Xplore

6	Temperature Impact on Lithium-Ion batteries in Electric Vehicles	Suraj Pal, Aabda Khatoon and Anand Kumar Pandey	Proceedings of International Conference on Intelligent Control and Computation for Smart Energy and Mechatronic Systems	25-26 Sept. 2020, JSS Noida.	-	Conference Proceedings
7	Intelligent Street Lights with Vehicle Detection	Aman Vardia, Kartik Kumar and Anand Kumar Pandey	Proceedings of International Conference on Intelligent Control and Computation for Smart Energy and Mechatronic Systems	25-26 Sept. 2020, JSS Noida.	-	Conference Proceedings
8	Multiobjective Optimal location and sizing of solar PV considering time varying nature of solar irradiance and load model in commercial distribution system	Anand Kumar Pandey and Sheeraz Kirmani	Proceedings of national conference on smart energy systems (NCSES-2019).	organized by JSS Noida	-	Conference Proceedings
9	Optimal location and sizing of Photovoltaic DG system using Direct Load Flow method	Ankesh Kumar, Anand Kumar Pandey and Sheeraz Kirmani	Proceedings of national conference on smart energy systems (NCSES-2019).	organized by JSS Noida	-	Conference Proceedings
10	GSM Based Power Theft Detection, Alert and Cut off System	Ritvik Aulakah, Anushka Jaiswal, Sachine dev and Anand Kumar Pandey	Proceedings of National Conference on Smart Energy, VLSI and Embedded Systems, (NCSEVES-2021)	organized by JSS Noida	-	Conference Proceedings

iv. Workshops /Conferences Attended

Sl. No.	Name of the Workshop/conference	Organizer	Date
1	International Conference on Intelligent Control and Computation for Smart Energy and Mechatronic Systems	JSSATE, Noida	25-09-2020 to 25-09-2020

2	National Conference on smart energy systems	JSSATE, Noida	14-06-2019 to 15-06-2019
3	National Conference on Smart Energy, VLSI and Embedded Systems, (NCSEVES-2021)	JSSATE, Noida	24-9-2021
4	FDP on PYTHON	JSSATE, Noida	22-05-2020 to 05-06-2020
5	Selected for the Summer faculty research fellowship programme in IIT Delhi	IIT, Delhi	16-05-2019 to 28-06-2019
6	FDP on 'Universal human values and professional ethics'	GNIOT, Greater Noida.	11-06-2018 to 15-06-2018
7	FDP on 'Recent developments in electrical power systems' at	JSSATE, Noida.	11-06-2018 to 15-06-2018
8	One week Entrepreneurship development program on 'Solar PV rooftop'	NPTI, Faridabad	19-03-2018 to 23-03-2018
9	One week AICTE recognized short term course on Scilab programming' through ICT	JSSATE, Noida.	21-08-2017 to 25-08-2017
10	One day seminar on 'Application of soft computing techniques to distributed energy resources in a smart grid'	JSSATE, Noida	24-03-2018
11	Two weeks DST sponsored FDP on "Entrepreneurship Development"	JSSATE, Noida.	5-12-2016 to 17-12-2016
12	Attended one week AICTE recognized short term course on 'Artificial Neural Network' through ICT'	JSSATE, Noida	25-02-2016 to 29 -02-2016
13	Attended three-day FDP on 'Developments in the field of Power System Protection	RKGIT, Ghaziabad.	20-10-2016 to 22-10-2016
14	Attended two weeks AICTE sponsored FDP on "Power generation, Transmission & Distribution"	Vishveshwarya group of institutions, Dadri	15-06-2015 to 27-06-2015
15	Attended 5 days online AICTE ATAL FDP on 'Universal INNOVATION & ACQUISITION OF INTELLECTUAL PROPERTY RIGHTS from at	Cochin University of Science and Technology	26-07-2021 to 30-07-2021
16	Attended webinar on Cyber Security	IEEE Uttar Pradesh Section Webinar Series	18-07-2021
17	Attended the AICTE – online Workshop on examination reforms	Chitkara university, Punjab	26-07-2021 to 28-07-2021

v. Workshops / Conference (Organized)

Sl. No.	Name of the Workshop/ conference	Organized By	Date	Role
1	National Conference on Smart Energy, VLSI and Embedded Systems, (NCSEVES-2021)	JSSATE, Noida	24/9/2021	Co-convener
2	National Conference on smart energy systems	JSSATE, Noida	14/06/2019 to 15/06/2019	Organizing committee member
3	IEEE conference on Advance computing and innovative technologies in engineering	GCET, Gr. Noida	04/03/2021 to 05/03/2021	Session Chair
4	Virtual conference on Smart computing and advanced Communication	PSNA CET, Dindigul,	12/03/2021	Advisory Committee member

vi. Conference Attended (those sponsored by AICTE / ISTE /IETE /TEQIP or any other sponsoring body)

Sl. No.	Name of the workshop / Conference	Organizer	Date
1	IEEE international conference on Electrical, Electronics and Computer engineering	AMU, Aligarh	08-11-2019 to 10-11-2019
2	IEEE international conference on Power Electronics, Intelligent Control and Energy Systems	DTU, New Delhi	22-10-2018 to 24-10-2018
3	IEEE conference on Advance computing and innovative technologies in engineering	GCET, Gr. Noida	04-03-2021 to 05-03-2021
4	IEEE International Power Electronics and Motion Control Conference (PEMC)	Varna, Bulgaria	25-09-2016 to 28-09-2016

9. Details of NPTEL / COURSERA courses completed

S. No.	Name of the Subject	Organized By	Date of Completion Award	Grade/Marks
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1	DC Microgrid and Control System	NPTEL	18.12.2020	-
2	Roadmap for Patent creation	NPTEL	12.03.2021	-

10. Membership of Professional Bodies:

1. Senior member IEEE, 93232627

11. Any other information you will like to share about your professional experience

(ADMINISTRATIVE AND DEPARTMENTAL RESPONSIBILITIES)

1. Faculty In charge of JSSATEN-CARES Centre of excellence in solar photovoltaic systems
2. Faculty in charge of Green energy club.
3. Co-Convener of the National Conference on Smart Energy, VLSI and Embedded Systems, (NCSEVES-2021), JSSATE, Noida.
4. Coordinator of the STTP on Solar PV and storage systems sponsored by AICTE. From 7-12 dec 2020 and 14-19 dec. 2020.
5. Department NBA Coordinator since 2017.
6. Member of department DAC committee since 2017.
7. Member of department PAC committee since 2017.
8. Member of department PAQIC committee since 2017.
9. Module Coordinator for the module Power systems, electrical machines and drives since 2017.
10. Organising committee member of FDP on recent trends in electrical power systems sponsored by AICTE in June, 2020
11. Organising committee member of National Conference on smart energy systems, JSSATE, Noida, 14-15 sept. 2019.
12. Organising committee member of Internal SIH (Software & Hardware Edition) in 2019-20 AY
13. Deputy Coordinator of Internal SIH (Software & Hardware Edition) in 2019-20
14. Departmental Mini-Project or Internship Coordinator since 2019-20 AY
15. Department time table coordinator for 2017-18 and 2018-19 AY
16. Departmental Examination cell coordinator for 2017-18 AY

17. NBA criterion-5 & NAAC Criteria-6 Coordinator in the department.
18. Seminar Coordinator in 2018-19 and 2019-20 AY
19. Class Coordinator from 2018-19 (Even Semester) to 2019-20 (Even Semester)
20. Placement coordinator B.Tech 2017-2018.
21. Departmental faculty Coordinator of Industry Interaction Cell (IIC)
22. External Practical examiner G L Bajaj institute of Technology and Management,
UPTU Greater Noida.
23. External Practical examiner NIET, AKTU Greater Noida.
24. External Practical examiner GCET, AKTU Greater Noida.
25. External Practical examiner RKGIT, AKTU Greater Noida.

Dr. Anand Kumar Pandey

Senior Member IEEE

Asistant Professor, Dept. of EEE

JSS Academy of technical education, Noida