Name	Dr Subhransu Sekhar Dash
Department	Electrical Engineering
Qualification	PhD
Designation	Professor and HoD
Email_ID	Subhransudash_fee@gcekjr.ac.in
Phone No:	9884356933
Address :	At: Jagannath Sahi, Sukinda Jajpur, Pin- 755018, Odisha
Area of Interest/ Research	Smart Grid, Artificial Intelligence techniques, Power Quality
Professional Membership	ISTE, MIE
Key Publication	**Last Five years International Journals:** 1. A Ghosh and S. S. Dash et al., Modified Differential Evolution With Distance-based Selection for Continuous Optimization in Presence of Noise, IEEE Access, November, VOLUME 5, 2017 pp 26944- 26964. 2. Rajesh, K. S., S. S. Dash, and Ragam Rajagopal. "Hybrid improved firefly-pattern search optimized fuzzy aided PID controller for automatic generation control of power systems with multi-type generations." *Swarm and Evolutionary Computation* (2018). 3. Sivalingam, Raghuraman, Subramani Chinnamuthu, and Subhransu

Sekhar Dash. "A modified whale optimization algorithm-based adaptive fuzzy logic PID controller for load frequency control of autonomous power generation systems." *Automatika* 58, no. 4 (2017): 410-421.

4. *N Kalairasi and S.S dash et al.* "Maximum Power Point Tracking Implementation by Dspace Controller Integrated Through Z-Source Inverter Using Particle Swarm Optimization Technique for Photovoltaic Applications *", Journal of applied science, SCI , Vol 8, I , B 1-E 18*

5. Sivalingam, R, chinnamuthu. S. and Subhransu sekhar Dash,"A hybrid stochastic fractal search and local unimodal sampling based multistage PDF plus (1 + PI) controller for automatic generation control of power systems" Journal of the Franklin InstituteVolume 354, Issue 12, August 2017, Pages 4762-4783

6. J. Preetha Roselyn*, D. Devaraj, and **Subhransu Sekhar Dash"** Voltage-based reactive power pricing in deregulated environment using hybrid multi-objective particle swarm optimization, International Journal of Ambient Energy25 March 2017, Pages 1-12

7. K.S.Rajesh snd Subhransu Sekhar Dash et al "Design of single phase inverter with improved MPPT and optimized control for solar photovoltaic " Journal of Computational and Theoretical NanoscienceVolume 14, Issue 3, March 2017, Pages 1390-1399

8. Manoharan, S S Dash , Rajesh K.S. and Panda S. " Automatic generation control by hybrid invasive weed optimization and pattern search tuned 2-DOF PID controller" I nternational Journal of Computers, Communications and ControlVolume 12, Issue 4, 2017, Pages 533-549

9. V. Jaikrishna, Subranhsu Sekhar Dash, Linss T. Alex & R. Sridhar "Investigation on modular flyback converters using PI and fuzzy logic controllers"Pages 1-9, Published : Jul 2017, Journal of Ambien energy.

10. K.S.Rajesh snd Subhransu Sekhar Dash et al." A review on control of AC Microgrid" Renewable and Sustainable Energy Reviews, Elsevier 2017,

71, pp 814-819

11. Ganesan, E., Dash, S.S."Modelling. Control and Power management for a grid integrated photo voltaic, fuel cell and wind hybrid system "(2016) Turkish Journal of Electrical Engineering and Computer Sciences,Volume 24, Issue 6, 2016, Pages 4804-4823

12. Harish Kiran and Subhransu Sekhar dash et.al. " Performance of two modified optimization techniques for power system voltage stability problems" Alexandria Engineering Journal, Elsevier publication, volume 55, issue 3, September 2016, pages 2525-2539

13. R Sridhar and **Subhransu Sekhar Dash et.al"** A new maximum power tracking in PV system during partially shaded conditions based on shuffled frog leap algorithm new maximum" Journal of Experimental and theoretical Artificial intelligence" Taylor and Francis 29(3), pp. 481-493

14. "R Sridhar and **Subhransu Sekhar Dash et.al "**R Sridhar and **Subhransu Sekhar Dash et.al.**" A dodging algorithm to reconfigure photovoltaic array to negate partial shading effect" Progress in photovoltaics Research and applications, John Willey Vol.24, issue 2, Feb 2016, pp 200-210

15. J. Preetha Roselyn*, D. Devaraj, and **Subhransu Sekhar Dash"**Multi-Objective Genetic Algorithm for voltage stability enhancement using rescheduling and FACTS devices" Ain Shams Engineering Journal, Elsevier 5(3), pp789-801, 2014,

16. S. Panda, **Subhransu Sekhar Dash** and et. al. "A PD-type Multi Input Single Output SSSC damping controller design employing hybrid improved differential evolution-pattern search approach" , Applied Soft Computing Journal , Elsevier Volume 32, 1 July 2015, Pages 532-543

17. P. Palanivel and **S.S. Dash** "Analysis of THD and output voltage performance for cascaded multilevel inverter using carrier pulse width modulation techniques" IET Power Electronics 2011, Vol. 4, Iss. 8, pp. 951–958

18. M. Joymala, **S.S. Dash,** K.R Krishnanand and R.Ramaswami, "Adaptive differential evolution algorithm for solving non-linear coordination problem of directional overcurrent relay",IET T&D 2012.

19. Ponnusamy M, **Subhransu Sekhar Dash** and et. al ., "Design of integral controller for Load Frequency Control of Static Synchronous Series Compensator and Capacitive Energy Source based multi area system consisting of diverse sources of generation employing Imperialistic Competition Algorithm" International Journal of Electrical Power and Energy Systems , Elsevier Volume 73, 26 June 2015, Pages 863-871

20. Santhosh rani and **Subhransu Sekhar Dash "** Performance analysis of LLC-LC resonant converter Fed PMDC motor"International Journal of Control and Automation, Vol.6, issue4, pp. 117-136, 2015

21. R Sridhar and **Subhransu Sekhar Dash et.al.**" Investigation on a modified 11-level cascaded inverter fed by photovoltaic array for standalone applications" Journal of Solar Energy Engineering Transactions, ASME, Volume 137, Issue 2, 2015

22. R Sridhar and **Subhransu Sekhar Dash et.al"** A Cost Effective Digital Signal Controller based Maximum Power Tracking Technique for Photovoltaic Power System" International Journal of Control and Automation, Springer Vol.7, No.6 (2014), pp.389-400

23. R Sridhar and **Subhransu Sekhar Dash et.al"** Performance analysis of a stand alone PV system with reduced switch cascaded multilevel inverter" Int. J. Power and Energy Conversion, Vol. 6, No. 2, 2015 pp 107-127, 2015

24. R Sridhar and **Subhransu Sekhar Dash et.al"** An Intelligent Differential Evolution based Maximum Power Point Tracking (MPPT) Technique for Partially Shaded Photo Voltaic (PV) Array" Int. J. Advance. Soft Comput. SpringerAppl., Vol. 6, No.2, November 2014

25. R Sridhar and **Subhransu Sekhar Dash et.al** "Unified MPPT Controller for Partially Shaded

Panels in a Photovoltaic Array" International Journal of Automation and Computing Springer11(5), October 2014, 536-542.

26. P. Babu and **Subhransu Sekhar Dash et. al. "** An Efficient Control Strategy based Multi Converter UPQC using with Fuzzy Logic Controller for Power Quality Problems" Journal of Electrical Engineering and Technology, Vol.10 (1), pp: 379-387, 2015

27. J. Preetha Roselyn*, D. Devaraj, and **Subhransu Sekhar Dash** "Multi Objective Differential Evolution approach for voltage stability constrained reactive power planning problem" Electric Power and Energy Systems , Elsevier 59(2014). 155-165.

28. Vijayalakshmi, S.,and **S S Dash et**. ai" Maximum power point tracking for wind power generation system at variable wind speed using a hybrid technique" International Journal of Control and Automation 8 (7), pp. 357-37

29. Sridhar, R., Dhar, S., Dash, S.S."Performance analysis of a stand alone PV system with reduced switch cascaded multilevel inverter"(2015) International Journal of Power and Energy Conversion, 6 (2), pp. 107-127.

30. Santhosh Rani, M., Dash, S.S., Samantaray, J."Analysis of full bridge LCC resonant converter for wide load variations" (2015) Lecture Notes in Electrical Engineering, 326, pp. 709-719.

31. Paduchuri.Chandra Babu, **S.S.Dash**, C.Subramani, "Design of two feeder three phase four wire distribution system utilizing multi converter UPQC with fuzzy logic controller", Advances in Electrical and Electronic Engineering, Volume 12, Issue 2, pp. 75-85, 2014.

32. Paduchuri.Chandra Babu, **S.S.Dash**, C.Subramani, "A new control strategy based multi converter UPQC using fuzzy logic controller to improve the power quality issues", Advances in Electrical and Electronic Engineering, Volume 12, Issue 2, Pages 86-97,

2014.

33. Babu.P.C.,Subramani.C.,Bayindr.R., **Subhransu Sekhar Dash.,** Mohanty.M.N., "A New Control Strategy with Fuzzy Logic Technique in Distribution system for Power Quality Issues",InternationalJournal of Renewable Energy Research,Volume 5,Issue 2,2015,Pages 287-293

34. Ray, A., Dash, S.S., Chellammal, N."Simulating self-recovering electric circuits using neural networks"(2015) Advances in Intelligent Systems and Computing, 343, pp. 479-491.

35. Ganesan, E., Dash, S.S."A new approach in modelling and control of distributed energy resources for performance optimisation and reliability improvement in a micro grid"(2015) International Review on Modelling and Simulations, 8 (1), pp. 26-40

36. Rajagopal, S., Dash, S.S."Implementation of low cost single switch based switched reluctance motor drive"(2015) Lecture Notes in Electrical Engineering, 326, pp. 1077-1085 springer.

37. Samanta, C., Dash, S.S., Ezhilarasan, G., Rayaguru, N.K."Power management of a grid connected PV/battery"(2015) Lecture Notes in Electrical Engineering, 326, pp. 653-664.

38. Patnaik, B., Sattianadan, D., Sudhakaran, M., Dash, S.S."Optimal placement and sizing of solar and wind based dgs in distribution systems for power loss minimization and economic operation"(2015) Lecture Notes in Electrical Engineering, springer 326, pp. 351-360

39. Chellammal, N., Dash, S.S., Velmurugan, V."Hybrid multi-level inverter based shunt active filter for current harmonic mitigation"(2015) International Journal of Power Electronics, 7 (1-2), Inderscience, art. no. 71205, pp. 134-145.

40. Jaikrishna, V., Alex, L.T., Dash, S.S., Gachhayat, S.K."Fault tolerant soft starter control for induction motors"(2015) Lecture Notes in Electrical Engineering, 326, pp. 953-962.

41. Mohanraj, K., Danya Bersis, C., Dash,

S.S."Simulation of open loop and feed-back controlled bridgeless PFC boost converter"(2015) Lecture Notes in Electrical Engineering, 326, pp. 29-38.

42. Padmini, S., Jegatheesan, R., Dash, S.S., Hemanth, S."Short-term hydrothermal scheduling of an Indian utility system using an enhanced bacterial foraging algorithm"(2015) Lecture Notes in Electrical Engineering, 326, pp. 57-

43. Barisal, A.K., Prusty, R.C., Dash, S.S., Kisan, S.K."Short term hydro thermal scheduling using invasive weed optimization technique"(2015) Smart Innovation, Systems and Technologies, 33, pp. 395-405

44. Marimuthu, P., Basavaraja, B., Dash, S.S."Load frequency control of multi area SSSC and CES based system under deregulation using particle swarm optimization"(2015) International Review of Electrical Engineering, 10 (1), pp. 154-162.

45. Kalirasu, A., Dash, S.S., Muthukumar, M.V."Performance comparison of dc to dc boost converters for solar power installation system"(2015) Lecture Notes in Electrical Engineering, 326, pp. 497-507.

46. Mohanraj, K., Danya Bersis, C., Dash, S.S."Comparison and simulation of various PFC boost converters"(2015) Lecture Notes in Electrical Engineering, 326, pp. 1445-1452.

47. Rajasekaran, D., Dash, S.S., Subramani, C., Mayilvaganan, A.B., Venkatesh, Y.Power quality improvement in distribution system using unified power quality conditioner(2015) Lecture Notes in Electrical Engineering, 326, pp. 689-697.

48. Boopathi, C.S., Dash, S.S., Venkadesan, A., Subramani, C., Anilkumar, G.V.Comparison of single layer and multilayer feed-forward architecture for on-line economic load dispatch problem(2015) Lecture Notes in Electrical Engineering, 326, pp. 1273-1279.

49. Babu, P.C., Dash, S.S., Subramani, C., Tejaswini, N., Sravan Kumar Reddy, Y.A fuzzy logic controller based multi converter UPQC to enhance the power quality problems(2015) Lecture Notes in Electrical Engineering, 326, pp.

453-463

50. Subramani, C., Sudheesh, M., Dash, S.S., Harish Kiran, S., Chandrababu, P., Vishnu Vardhan Reddy, B."Detailed investigation of faults on a power transmission line using wavelet multi-resolution analysis"(2015) Journal of Next Generation Information Technology, 6 (2), pp. 28-36.

51. J. Preetha Roselyn*, D. Devaraj, and **Subhransu Sekhar Dash**" Multi-Objective Differential Evolution for Voltage Security Constrained Optimal Power Flow in   Deregulated Power Systems" International Journal of Emerging Electric Power Systems 2013.

52. Paduchuri.Chandra Babu, **Subhransu Sekhar Dash**, C.Subramani and S.Harish Kiran, "An Efficient Control Strategy based Multi Converter UPQC using with Fuzzy Logic Controller for Power Quality Problems" Journal of Electrical Engineering and Technology, vol.9, issue :6, pp:742-751,2014

53. Moirangthem, J., **Dash, S.S.**, Ramas, R. "Determination of minimum break point set using particle swarm optimization for system-wide protective relay setting and coordination" , 2011 September, European Transactions on Electrical Power.

54. K. Prema, N. Senthil Kumar and **Subhransu Sekhar Dash** "Online Control of   DC Motors Using Fuzzy Logic Controller for Remote Operated Robots" Journal of   Electrical Eng Technol Vol. 9, No. 1: 352-362, 2014.

55. C.Subramani, **Subhransu Sekhar Dash**, M Arunbhaskar and M Jagadeeshkumar "Stability Index Based Voltage Collapse Prediction and Contingency Analysis" Journal of Electrical Engineering and Technology, Volume 4, Number 4, 2009, pp 438-442.

56. Moirangthem, J., **Dash, S.S**. and Ramas. R. "Zero-one Integer Programming Approach to Determine the Minimum Break Point Set in Multi-loop and Parallel Networks" Journal of Electrical Engineering & Technology Vol. 7, No.

2, pp. 151~156, 201.

57. C.Subramani, **Subhransu Sekhar Dash**, M Arunbhaskar, M Jagadeeshkumar "Contingency Screening and Ranking Based On Line Outages for Voltage Stability Assessment" Journal of Electrical Engineering, Volume 10, Issue 1, 2010, pp 8-14.

58. C.Subramani, **Subhransu Sekhar Dash** and M Arunbhaskar "Soft Computing Line Outage Contingency Ranking For Voltage Stability Studies" Journal of Electrical Engineering, Volume 10, Issue 4, 2010, pp 24-30.

59. N. Chellammal, **S.S. Dash**, P.Palanivel, "Analysis of multicarrier pulse with modulated Three phase cascaded multilevel inverter", Journal of Electrical Engineering , Romania , June 2011,Vol 11,Edition 2, Page no 28-36.

60. M. Joymala, **S.S. Dash** and R.Ramaswami," System-Wide Protective Relay Setting and Coordination for Large Scale Transmission Systems – A Review ", Journal of Electrical Engineering, Volume 11, Issue 3, 2011, pp 8-14.

61. **S.S.Dash**, Preetha et al. , " Improved Differential Evolution approach for multi objective Reactive Power bharati Planning incorporating voltage stability", Journal of Electrical Engineering Volume 13, Issue 3, 2013, Pages 25-32.

    Subhransu Sekhar Dash and R.V.D.Rama Rao "Voltage Regulation and System" Journal of Electrical Engineering ISSN 1582-4594: Volume 10/2010 - Edition:4.

63. Radika, P., **Dash, S.S**. "A high frequency inverter with active regenerative snubber 2012, International Review of Electrical Engineering 7 (3) , pp. 4480-4485.

64. **S.S.Dash**, S.Vijayan, S.Paramasivam et al. "A Practical Approach to the Design and Implementation of Speed Controller for Switched Reluctance Motor Drive Using Fuzzy Logic Controller", International Journal of Electrical Engineering, Vol. 58, No. 1, 2007, pp 39-46.

.

65. Premalatha, S., **Dash, S.S**., Paduchuri.Chandra Babu, "Power Quality Improvement Features for a distributed Generation System Using Shunt Active Power Filter", Journal Procedia Engineering, vol.64, pp: 265-274, 2014.

66. C.Bharatiraja, **S.S.Dash**, "A novel reduced switch single source MLI topology with variable input overvoltage control" Journal of Procedia engineering, Vol.84, pp: 205-214, Nov-2013.

.

67. M.Arun Bhaskar, **S.S.Dash**, and et.al "Application of Integrated Wind Energy Conversion System (WECS) and Photovoltaic Solar Farm as STATCOM to Regulate Grid Voltage During Night Time" Elsevier, Energy proceedia, 14 (2012) 1536 – 1541

68. C.Subramani, **S. S. Dash**, M. Arun Bhaskar, M. Jagadeesh Kumar, "Location for Stability Enhancement in Power Systems Based on Voltage Stability Analysis and Contingency Ranking" Lecture Notes in Computer Science (LNCS-Springer), Vol: 148, pp. 73-78, 2011

69. M. Arun Bhaskar, **S. S. Dash**, C.Subramani, M. Jagadeesh Kumar, "Modelling and Voltage Stability Enhancement Using "Sen" Lecture Notes in Computer Science (LNCS-Springer),Vol: 142, pp 224-228 , 2011

70. M. Jagadeesh Kumar, **Subhransu Sekhar Dash**, M. Arun Bhaskar, C. Subramani, "Comparison of PSO Tuned Feedback Linearisation Controller (FBLC) and PI Controller for UPFC to Enhance Transient Stability" Lecture Notes in Computer Science (LNCS-Springer),Vol. 7076: 135-142 , 2011

71. S. Harish Kiran, C.Subramani, **S.S. Dash,** M. Arunbhaskar, "Particle Swarm Optimization Algorithm to Find the Location of Facts Controllers for a Transmission Line" Lecture Notes in Computer Science (LNCS-Springer), Vol:132, pp.861-868 , 2012

72. Moirangthem, J., **Dash, S.S**., Krishnanand, K.R., Panigrahi, B.K. "Enhanced discrete differential

evolution to determine optimal coordination of directional overcurrent relays in a power system "2011, Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics) 7076 LNCS (PART 1) , pp. 85-93

73. Roselyn, J. P., Devaraj, D., **Dash, S.S**. " Economic emission OPF using hybrid GA-particle swarm optimization ""2011, Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics) 7076 LNCS (PART 1) , pp. 167-175

74. M. Arun Noyal Doss, **S.S.Dash**, "Critical evaluation of cogging torque in BLDC motor with various techniques" Int. J. Automation and Control, Vol. 7, No. 3, 2013.

75. Moirangthem, J., **Dash, S.S**. and A. F. Zobaa "Different Methodologies to Determine Break Point Relays in a Power System Protection". International Review on Modelling and Simulations" Vol.4, No.6, December 2011.

76. **S.S.Dash**, "Open and Short Circuit Diagnosis of a VSI Fed Three Phase Induction Motor Drive Using Fuzzy Logic Technique", International Review on Modeling and Simulations, Vol.6, no.6.

77. Mohanraj, K.,Paramasivam, S., **Dash, S.S**., Ramprasad, S, "Analysis of DC Bus Fault and Line Faults on Voltage Source Inverter Fed Induction Motor", International Review on Modeling and Simulations, Vol.6, no.6.

78. Boopathi, C.S, Venkadesan, A., **Dash, S.S**., "Comparison of Various Learning Algorithm for Artificial Neural Network Based On-Line Load Flow Analysis" International Review on Modelling and Simulations, (7) 2, pp.323-330, 2014.

79. Boopathi, C.S., **Dash, S.S**., Venkadesan,

A.,Subramani, C., "Identification of Suitable Learning Algorithm for Neural Network Based On-Line Economic Load Dispatch Problem", International Review of Electrical Engineering, (9) 1, pp.200-206, 2014.

80. Boopathi, C.S., **Dash, S.S**., Selvakumar, K., Subramani, C., Vamsikrishna, D, "Unit Commitment Problem with POZ Constraint Using Dynamic Programming Method", International Review of Electrical Engineering, (9) 1, pp.218-225, 2014.

81. Bharatiraja.C,Latha.R,Jeevanathan.S.,Raghu.S., **Subhransu Sekhar Dash,** "Design and Validation of Simple Space Vector PWM Secheme For Three level NPC-MLI with investigation of DC-link imbalance using FPGA IP Core",Journal of Electrical Engineering,Volume 13,Issues 1,2013,pages 54-63.

82. Bharatiraja.C,Latha.R, **Subhransu Sekhar Dash,** Gulati.R , Sharma.P.V"A 3D-SVPWm Algorithm design and its FPGA IP-Core Implementation For MLIS operatingover a wide Modulation range ", International Review of of Electrical Engineering,Volume8,Issues 3, 2013,pages 947-961

83. Bharatiraja.C,Jeevanathan.S, **Subhransu Sekhar Dash,** "A Vector Selection Approach based on Control Degree of Freedom to Provide DC-Link Volatge Balancing in Diode Clamped Multilevel Inerter", International Review of of Electrical Engineering,Volume8,Issues 1,2013,Pages39-51.

84. Latha.R,Bharatiraja.C,Palanisamy.R,Banerji,**Subhransu Sekhar Dash,** "Hystersis Current Controller Based Transformerless Split Induction –NPC-MLI for Grid Connected PV-System",Procedia Engineering, Volume 64, pages 224-233.

85. Satttianadan.D,Sudhakaran.M, **Subhransu Sekhar Dash,** Vijayakumar.K.,"Cost/Loss Minimization by the placement of DG in Distribution System using PSO-A Compartive Analysis",Analysis Review of Electrical

		Engineering,Volume8,Issue,2013,pages 769-775.
		86. Arun Bhaskar, Subramani.C, **Subhransu Sekhar Dash,** "A Review of UPFC and a Novel FACTS Controller for Voltage Stability enhancement in Power System",International Review on Modeling and Simulations,Volume 5,Issue4,2013,pages1612-1619

Extra activities:

FOREIGN VISIT:

Chairperson at international conference TENCON -2009, Singapore

Visiting professor at Francois Rabelais University, POLYTECH, Tours, France.

Plenary Speaker for International Conference ICREPQ 2012 on March 30, Spain,

Invited lecture delivered on Power Quality at Polytech University, Hong Kong

Visiting research scholar at UWM, Wisconsin, US from May- August 2013

Organising member of Member of ICREPQ, Spain

Program Chair of ICRERA 2016, UK and 2017, San Diego, USA

Conducted special session on "Distributed Generation Resources:Sizing, Optimizing, Control Techniques and Performance Enhancement" at ICRERA 2016, NEC, Birmingham, UK, 20-23RD November 2016

Chairpersons at ICRERA conference.

Conducted Special session and tutorial on" Opportunities and Challenges of Integrating Renewable Energy Sources in Smart Grid System" at ICRERA 2017, Nov 5-8, SAN DIEGO, USA

No of M.E. Projects Guided :	25	
No of U.G.. Projects Guided :	20	
No. Of PhD students guiding :	8	
No. of PhD Students guided :	**22**	

Books and Proceedings details

s. No.	Title & Year	Publisher	Co-author, if any
1	Basic Electrical and Electronics Engineering	Acme learning, New delhi	Manoj K pandey
2	Basic Electrical engineering	Vijay Nicole, Chennai	C Subramani and K vijayakumar
3	Electrical Engineering Practice Lab manual	Vijay Nicole, Chennai	C Subramani and K vijayakumar
4	Introduction to FACTS	IRD Publication	
	Editor for Springer series Proceeding		
5.	Swarm Evolutionary and emetic Computing, semcco 2010 proceeding LNCS 6466	Springer	B K panigrahi, Swagatam dash, PN suganthan
6.	LNCS 8298. Part -I and Part –II Swarm Evolutionary and emetic Computing, semcco 2013 proceeding	Springer	B K panigrahi, Swagatam dash, PN suganthan
7	AISC 324, Artificial Intelligence and evolutionary algorithm in engineering systems- 2014	Springer	L padmasuresh, B K panigrahi
8	LNEE 326 Power Electronics and renewable energy systems 2014 proceeding	Springer	C Kamakannan, L padmasuresh B K panigrahi
9		Springer	Swagatam Das, B.K. Panigrahi
10	Advances in Intelligent Systems and Computing Volume – 2015	Procedding of ICICA	Swagatam Das, B.K. Panigrahi
11	Advances in Intelligent Systems and Computing Volume – 2015	Springer Proceedings of AIECES	