




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



FACULTY PROFILE

1. Personal Details

NAME	Dr. Sanjiba Kumar Bisoyi	
DEPARTMENT	Electrical& Electronics Engineering	
DESIGNATION	Associate Professor	
PHONE	9891021959	
EMAIL ID	sanjibabisoyi.eed@jssaten.ac.in	
Date of Joining (JSSATEN)	1st October 2003	

2. Experience

Total Experience in Years 28	Teaching: 20Years	Industry: 8	Research: 15 Years
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3. Qualifications

COURSES	SPECIALIZATION	Year of Award	INSTITUTION	UNIVERSITY
B.E.	Electrical Engineering	1992	Institution of Engineers India	IE (India) Calcutta
M.E.	Power Electronics	2004	SATI Vidisha	RGPV Bhopal
Ph.D.	Electrical Engineering	2015	NIT Hamirpur	NIT Hamirpur (H.P)

4. Research & Publications

Papers Published in Web of Science indexed Journals	03	
Papers Published in SCOPUS indexed Journals	04	
Papers Published in other Journals	03	
Papers Presented in	20	

Conferences / Symposium		
Books / Book chapters Published	5	
	Name of the book: Technology, Intelligent sustainable system Publisher: Springer Year of Publication: 2021,2022	

5. Research Guidance

PhD Guide? Give field & University	NIL	NIL
PhDs / Projects Guided	Ph.D. Awarded: NIL Guiding: NIL	Projects at Master's Level: NIL Projects at Bachelor's Level: 40

6. Grants

i. Funds Received (Projects)

Project Name	Grant Amount	Date of receiving the Grant	Duration	Grant issuing authority/ Body / Organization
VRPS	3.25Lahs	August 2017	2Years	APJAKTU Lucknow
MODROB	4.5lakhs	Sept 2018	2Years	AICTE
IOT Based Solar Monitoring System	1.39 lakhs	Oct 2020	2 Years	Emerson Electric
AICTE IDEA LAB	1.1crores	June 2021	2 Years	AICTE

ii. Patents

Sl. No.	Title Details	Details of award of patent / Filed
1.	"Printed Circuit Board (PCB) prototyping using Layout Aware Probing	Application No:202011033134 Published

iii. Consultancy

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

7. Awards Received

Awards "Best Paper Award"	"Reduced Switch Quadruple Boost Switched-Capacitor based Multilevel Inverter" "3rd International Conference on Energy, Power and Environment: Towards Clean Energy Technologies (ICEPE 2020)" (Technically cosponsored by IEEE Industry Applications Society and IEEE Kolkata Section) organized by National Institute of Technology Meghalaya, Shillong, India during 05-07th March 2021.
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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	Multilevel Cascaded Inverters having Improved Output Level with Reduced Power Switches - A Novel Approach.	Sanjiba Kumar Bisoyi etl	GIJET	2022, Vol. 8 Issue 1, p542-551. 10p	Scopus		
2	Competency Based Education and Continuous Assessment in Laboratory to acquire higher order learning levels: Challenges, Process and Outcomes.	Sanjiba Kumar Bisoyi etl	Journal of Engineering Education Transformations (JEET)	Vol. 35, p187-193. 7p.	Scopus	0.21	
3	The novel evaluation scheme for Competency Based Learning, authentic assessment and its implementation strategies for universities of higher education.	Sanjiba Kumar Bisoyi et al.	Journal of Engineering Education Transformations (JEET)	Vol. 36, p225-228. 4p	Scopus	0.21	
4	"A review of the state of the art of generators and power electronics converter topologies for wind energy conversion System"	Sanjiba Kumar Bisoyi, R K Jarial, R A Gupta	IJETAE	vol 3 ,feb 2013.			

5	Modelling and control of variable speed wind turbine equipped with PMSG	Sanjiba Kumar Bisoyi, R K Jarial, R A Gupta	IJETCAS	IJETCAS.6 (1) Sep- Nov, 2013.pp 56-62			
6	“Modelling and analysis of variable speed wind turbine equipped with PMSG	Sanjiba Kumar Bisoyi, R K Jarial, R A Gupta	” IJCET. Accepted on 10 January 2014, Available online 01 February 2014pp 421-426.				

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

iii. Conferences

Sl.No	Title of the paper	Name(s) of Author(s)	Name of the Conference	Volume No. Issue No. Year	WOS / Scopus	Impact Factor	Publisher
1	”Power quality issues in grid connected PMSG based wind energy conversion system”2 012),	Sanjiba Kumar Bisoyi, R K Jarial, R A Gupta	3rd national conference on power electronics and intelligent control(NCPE IC	NOV 2012			MNIT Jaipur
2	“A review of the state of the art of generator s and power electronic s converter topologies for wind energy conversion	Sanjiba Kumar Bisoyi, R K Jarial, R A Gupta	ICERTSD	Feb. 2013.			

3	"Modelling and analysis of variable speed wind turbine equipped with PMSG"	Sanjiba Kumar Bisoyi, R K Jarial, R A Gupta	International Conference on Advances in Mechanical Sciences	9-11 january,2014.p p488-493.			
4	"Analysis of course outcomes of PE-A tool for Assessment of Programme outcomes	Sanjiba Kumar Bisoyi, Parveen.P.Terang, V. K. Chandna	IEEE International conference on MOOCs Innovation and technology in Education	IEEE MITE-2015 october 1-2,2015 Amritsar, India. Object identifier 978-1-4673-6746-2/15/\$31.00_c 2015 IEEE, 2015			
5	"Weightage factor analysis between programme outcomes and Course Outcomes	PPT, Sanjiba Kumar Bisoyi, V.K.Chandna	IEEE International conference on MOOCs Innovation and technology in Education I	IEEE MITE-2015 october 1-2,2015 Amritsar, India. Object identifier 978-1-4673-6746-2/15/\$31.00_c 2015 IEEE.			
6	"SHE PWM technique for three phase three level voltage source inverter.	S. K. Bisoyi and N. K. Agarwal	2017 IEEE Int.Conf. on Pow. Control Signals and Instrumentation Eng. (ICPCSI),	", pp. 1742-1746, 2017.			
7	Performance Study Of Static Kramer Drive"	Sanjiba Kumar Bisoyi,	IEEE Conference INDIACOM 2018.	ISSN 0973-7529; ISBN 978-93-80544-28-1			
8	"Control techniques analysis to find effectiveness of suppressing output voltage total harmonic distortion for fuzzy based single-phase	Sanjiba Kumar Bisoyi, Sampath Kumar V and Veerendra Kumar A.N	" International Conference on Intelligent Control and Computation for Smart Energy and Mechatronic Systems	25-26 September 2020 JSSATE NOIDA INDIA			
9	"Protection of 3-phase Induction motor under 1phase fault",	Abhinav Saxena, Sanjiba Kumar Bisoyi, prashant,'	International conference on Advances in business and Engineering for sustainability ABES, Ghaziabad,	27-28 march 2018			

10	"Reduced Switch Quaduple Boost Switched-Capacitor based Multilevel Inverter"	Kaibalya Prasad Panda, Narendra Babu P, Sanjiba Kumar Bisoyi and Gayadhar Panda	(ICEPE 2020)" organized by National Institute of Technology Meghalaya, Shillong, India	05-07th March 2021.digital identifier 978-0-7881-3267-9/21/IEEE.			
11	Intermixed Generalized Integrator based Grid- Friendly Inverter Control for Power Quality Enrichment in Micro grid System	Narendra Babu P, Ritula Thakur, Sanjiba Kumar Bisoyi, Rangababu Peesapati, Gayadhar Panda	(ICEPE 2020)" organized by National Institute of Technology Meghalaya, Shillong, India.	during 05-07th March 2021.digital identifier 978-0-7881-3267-9/21/\$31.00 ©2021 IEEE			

Sl. No.	Name of the workshop / Conference	Organizer	Date
1	IEEE International conference on MOOCs Innovation and technology in Education IEEE MITE- & Presented Research paper "Analysis of course outcomes of PE-A tool for Assessment of Programme Outcomes".	IEEE	2015 October 1-2, 2015 Amritsar, India

iv. Workshops / Conference (Organized)

Sl. No.	Name of the workshop / Conference	Organized by	Date	Role
1	Organized Two days National Seminar on "Recent Trends & Development in Electrical Engineering" 23 & 24th Aug., 2013. JSSATE, Noida	Department of Electrical Engineering	23-24 Aug 2013	Co convener
2	Two days National conference on "Smart Energy systems" NCSSES- 2019.	JSSATE, Noida	14 & 15th June, 2019. at	Organizing Secretary
3	Internal Hackathon for Smart India Hackathon 2020-Software Edition on	JSSATE, Noida	21st January, 2020	Convener

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	Online Faculty Development Programme on "Power Quality and Reactive Power Management",	organized by the Department of Electrical Engineering, Delhi Technological University, Delhi in association with Clariant Power System Ltd., Pune,	during 06th - 10th July 2020
2	Webinar on Effective usages of Educational Technology in Teaching Learning Process as a part of NBA Accreditation organized	Department of Computer Science & Engineering, Electronics and Communication Engineering and Medical Electronics Engineering in association with IQAC- MSRIT under Margdarsan Scheme	sponsored by AICTE from 22nd June to 26 June 2020

3	International Faculty Development Program in online mode on “Digital Learning with Multidisciplinary Approaches (DLMA)”	, conducted at JSS Academy of Technical Education, Noida organized by the Department of Computer Applications	held from 12 - 17 June, 2020
4	Two Days International Webinar on "Real Time Modeling & Control of Energy Systems and Devices"	organized by Department of Electrical and Electronics Engineering, JSS Academy of Technical Education, NOIDA	held on 11th & 12th June, 2020,
5	One week Online Short-Term Training Program on “Life Cycle Analysis for Sustainability”	Organized by Department of Mechanical Engineering, Engineering College, Bikaner	from 27 - 31 May, 2020 under TEQIP-III.
6	Faculty Development Programme on “Recent Advances in Power Electronics Applications with MATLAB Simulations”	organized by Department of Electrical Engineering, NIT Patna under Electronics and ICT Academy, NIT Patna, under the “Scheme of financial assistance for setting up of Electronics and ICT Academies” by the Ministry of Electronics and Information Technology (Meit Y), Government of India	held from 25–30 May, 2020 in online mode
7	Three days International Webinar on "Qualitative Research Blogs writing and Neuro science in outbreak of COVID-19	conducted by JSS Academy of Technical Education Noida organized	held from 20 - 22 May, 2020
		by the Department of Computer Applications.	
8	Participated AICTE recognized short term course on “Sustainable Environmental management through	ICT conducted by Civil Engineering Department of NITTR (One Week) at JSS Academy of Technical Education Noida UP	from 25/04/2016 to 29/04/2016
9	Participated AICTE recognized short term course on “Operation Research through ICT.	conducted by Applied Science Department of NITTR (One Week) at JSS Academy of Technical Education Noida UP	from 28/03/2016 to 01/04/2016
10	Participated AICTE recognized short term course on “Sustainable Environmental management through ICT.	conducted by Civil Engineering Department of NITTR (One Week) at JSS Academy of Technical Education Noida UP	from 14/03/2016 to 18/03/2016
11	Participated AICTE recognized short term course on “Operation Research through ICT.	conducted by Applied Science Department of NITTR (One Week) at JSS Academy of Technical Education Noida UP	from 28/03/2016 to 01/04/2016
12	Participated AICTE recognized short term course on “Sustainable Environmental management through ICT.	conducted by Civil Engineering Department of NITTR (One Week) at JSS Academy of Technical Education Noida UP	from 14/03/2016 to 18/03/2016

13	Participated AICTE recognized short term course on “Effective curriculum Implementation” through ICT	conducted by Curriculum Development Centre of NITTR ne Week) at JSS Academy of Technical Education Noida UP	from 07/03/2016 to 11/03/2016 (O
14	Presented Research paper “Analysis of course outcomes of PE-A tool for Assessment of Programme Outcomes”.	IEEE International conference on MOOCs Innovation and technology in Education IEEE MITE-	2015 october 1-2, 2015 Amritsar, India
15	Participated in the Engineering Education and research seminar	at gurgaon on organized by National Instruments India	30th July 2015
16	NBA workshop for Experts/Evaluators/Stake holders	one day (webinar) and Three days from 17th - 19th October 2013, personal Training organized by Nodal/training centre JSSATE Noida in association with National Board of Accreditation(NBA) New Delhi	on 25th September 2013
17	Two day National Seminar on “Recent Trends & Development in Electrical Engineering	JSSATE Noida	” 23rd & 24th Aug.2013.
18	Attended National seminar on Future of Electric power sector issues and challenges	organized by Galgotia college of Engg & technology greater Noida.	during 16th march 2013
19	One Week STC “Applications of Solar Energy & Photovoltaic’s”	IIT Delhi.	12-18th December, 2012.
20	Two day R&D Conclave-2012, Emerging Opportunities & Challenges in R&D for Indian Power Sector,	Organized by CPRI & CEA on.New Delhi.	19&20th Oct.,2012
21	Attended complimentary seminar on MATLAB/SIMULINK for Engineering Education	at Ghaziabad	held during 5th October 2012
22	One day Workshop on “Embedded Systems”	Organized by ECE Department & Pears on.,at JSSATE Noida	Sep.2012
23	Participated in National workshop on Development and use of NPTEL courses under the banner of national programme on technology enhanced learning (NPTEL) the workshop was	organized by IIT Kanpur in collaboration with JSSATE Noida held	during 30th -31st October 2010
24	Attended the MHRD/AICTE sponsored summer school “Application of MATLAB, Orcad/Spice simulation tools in engineering MOS 2008.	organized by Department of electrical Engineering NIT Hamirpur (HP)	30th July -11th July 2008
25	Participated Two days IEEE workshop on “Application of Power Electronics to Electric Utilities and Motor control, jointly	organized by IEEE PES- IAS Delhi chapter and Electrical Engineering Department of IIT Delhi	during 29th -30th march 2005

9. Details of NPTEL / COURSERA courses completed

Sl. No.	Name of the subject	Organized by	Date of completion / Award	Grade / Marks
1				

10. Membership of Professional Bodies :

1. Life Membership in Indian Society for Technical Education (MISTE)- LM44012
2. MIE M131046-6
3. IEEE 93360039

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

Dr. Sanjiba Kumar
 Bisoyi Associate
 Professor,
 Department of Electrical & Electronics Engineering
 JSS Academy of Technical Education, Noida