Faculty Profile

1. Name: Matta Mani Sankar

2. Department: Electrical Engineering

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5. Office Address: Electrical Engg. Dept., BIT Sindri, Dhanbad, Jharkhand, 828123

6. Qualification:

S. No	Degree	Specialization	Institute
1	PhD (pursuing)	Electrical Engg	IIT (ISM) Dhanbad
2	M. Tech	Power System	NIT Jamshedpur
3	B. Tech	EEE	JNTU Kakinada

7. Professional Experience:

Teaching Experience:

Sl. No.	Position held	Name of Organization	from	to
1	Assistant Professor	BIT Sindri	04/01/2018	Till Date
2	Assistant Professor	AITAM, Tekkali	01/09/2014	30/12/2017

8. Subjects Taught:

I) UG:- Protection of Power Apparatus and System, HVDC, Microcontrollers, Green Energy Technology

II) PG:- Advanced Microprocessor, Power System Stability, Power System Dynamics-I, Power System Dynamics- II

9. Research Interests: Distribution System, Distributed Generation, and Application of optimization techniques in distribution system

10. Publications:

2020-21

[1] Srikanth B., **Sankar M.M.** (2021) Implementation of Anti-windup Techniques for the Improvement of PID Performance. In: Sekhar G.C., Behera H.S., Nayak J., Naik B., Pelusi D. (eds) Intelligent Computing in Control and Communication. Lecture Notes

in Electrical Engineering, vol 702. Springer, Singapore. https://doi.org/10.1007/978-981-15-8439-8_48

2019-20

[2] Nartu Tejeswara Rao, **Matta Mani Sankar**, Surapu Prasada Rao, Boddepalli Srinivasa Rao Comparative study of Pareto optimal multi objective cuckoo search algorithm and multi objective particle swarm optimization for power loss minimization incorporating UPFC. Journal of Ambient Intelligence and Humanized Computing (2020). https://doi.org/10.1007/s12652-020-02142-4

[3] Kumar R., Gupta R.P., **Sankar M.M.**, Nath V. (2020) Performance Evaluation of PV Module with Battery Storage in a Microgrid. In: Nath V., Mandal J. (eds) Nanoelectronics, Circuits and Communication Systems. NCCS 2018. Lecture Notes in Electrical Engineering, vol 642. Springer, Singapore. https://doi.org/10.1007/978-981-15-2854-5_19

2018-19

[4] Tejeswararao Nartu, **Matta Mani Sankar,** Sravani Koratana, Ravi Kumar Bodda "A fuzzified Pareto multiobjective cuckoo search algorithm for power losses minimization incorporating SVC", Soft Computing, Vol. 23, pp.10811-10820, 2019

2017-18

[5] **Matta Mani Sankar,** S.B.L. Sekxena,"A cost effective voltage sag compensator for distribution system", International Journal of System Assurance Engineering and Management", Vol- 8(1),pp.56-64, 2017.

11. Symposium/ Workshop/Seminar/ Attended

S.No.	Workshop details	Duration	Organising Agency
2020-21			
1	Executive Program on Mindful Leadership	01-05 Feb, 2021	IIM Bodh Gay
2	Online 3 Day workshop on Scilab	04-06 March 2021	Teaching Learning Centre (ICT) at IIT Bombay, funded by the PMMMNMTT, MoE, Govt. of India
3	Python 3.4.3	05-16 Oct 2020	B.I.T Sindri, Dhanbad and Spoken Tutorial Project, IIT Bombay.
4	One Day Faculty Development Programme on Free Open Source Tools for Education and Research	07 July 2020	BIT Sindri, Dhanbad and FOSSEE, IIT Bombay
2019-20			
1	Virtual Labs	29 June,2020	NIT Surathkal, Jharkhand Education Grid, JUT & BIT Sindri
2	Digital Transformation in Teaching Learning Process	16-30 March,2020	NPIU & IIT Bombay (SWAYAM Portal)
3	Autonomy and Control for	15 May,2020	ELMAX Systems & solutions

S.No.	Workshop details	Duration	Organising Agency
	Robotic Systems using MATLAB		
4	Innovations for Sustainable Energy System	21/Sept/2019	BIT Sindri
5	The Era of Digital Transformation	8-12 July 2019	BIT Sindri
6	Antenna Trends	1-5 July 2019	Electronics and ICT Academics by MeitY, Govt. of India at B.I.T. Sindri.
2018-19			
1	National Workshop on NBA and NAAC Accreditation	18-22 June 2019	Engg. Staff College of India
2	Advanced pedagogy and digital tools for TEQIP faculty member	10-14 June 2019	IIT Kharagpur under TEQIP III
3	DSP and Sensors	10-14 December 2018	Electronics and ICT Academics by MeitY, Govt. of India at B.I.T. Sindri.
4	Advanced Industrial Automation using PLC & SCADA	1-5 Nov, 2018`	SIEMENS COE & BIT Sindri
5	Real-world applications of Distributed constraint optimization techniques and autonomous systems-RADCOPAS-2018	24th-28th September 2018	Department of CSE &IT, BIT Sindri
6	Advancement and application of soft computing in Electrical Systems	13th-17th July 2018	Electronics and ICT Academy, NIT Patna & Department of Electrical Engineering by MeitY, Govt. of India at B.I.T. Sindri.
2017-18			
1	AI & Machine Learning	4- 8 June 2018	Electronics and ICT Academics, Govt. of India at B.I.T. Sindri
2	Outcome based education (and) accreditation	16-17 March 2018	TEQIP III at B.I.T. Sindri
3	Faculty development Programme	31 Jan – 04 Feb 2018	TLC, IIT Madras

12. FDPs/Workshops Organized:

1	Python 3.4.3	05-16 Oct 2020	B.I.T Sindri, Dhanbad and Spoken Tutorial Project, IIT Bombay.
2	One Day Faculty Development Programme on Free Open Source Tools for Education and Research	07 July 2020	BIT Sindri, Dhanbad and FOSSEE, IIT Bombay