

BIO-DATA

1. Name and Full corresponding address: Dr. Siva Rama Krishna Madeti;
Assistant Professor;
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Engineering; University of Santiago
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3. Institution: University of Santiago de Chile;
Chile; South America.
4. Date of Birth: 12-November-1987
5. Gender: Male
6. Category Gen/SC/ST/OBC: OBC
7. Whether differently abled (Yes/No): No
8. Academic Qualification (Undergraduate Onwards)

	Degree	Year	Subject	University	% Marks
1.	POST-DOC	2020	Solar Photovoltaics	University of Talca, South America	–
2.	Ph. D	2018	PV monitoring and Fault Detection	IIT Roorkee	–
3.	PG	2012	Energy Systems	IIT Roorkee	7.75
4.	UG	2009	EEE	CR Reddy College of Engineering	77.53

9. Ph.D thesis title: Development of Online Monitoring System for a Grid-
Connected Solar Photovoltaic Plant

Guide's Name: Retired Professor S. N. Singh
Institute/Organization/University: IIT Roorkee
Year of Award: 2018

10. Work experience (in chronological order).

S. No	Positions held	Name of the Institute	From	To	Pay Scale
1.	Associate Professor	University of Santiago de Chile, South America	April 2020	Till Date	2,530,000CLP per month
2.	Post Doc	University of Talca, Chile,	August	March	1,850,000CLP

	Researcher /Lecturer	South America	2019	2020	per month
3.	Assistant Professor	GRD IMT, Dehradun	Aug 2012	July 2014	50,000 per month
4.	Assistant Professor	SVITE, Tanuku	Aug 2009	July 2012	10,000 per month

11. Professional Recognition/ Award/ Prize/ Certificate, Fellowship received by the applicant.

S. No	Name of the Award	Awarding Agency	Year
1.	Post – Doc, Government of Chile	FONDECYT-REGULAR 1160690	2019-20
2.	MNRE Fellowship for Ph. D	MNRE	2014-18
3.	PG	MHRD	2010-12

12. Publications (List of papers published in SCI Journals, in year wise descending order)

S. No	Authors	Title	Name of Journal	Volume	Page	Year
1.	Siva Rama Krishna Madeti	A Monitoring System for Online Fault Detection in Multiple Photovoltaic Arrays	Renewable Energy Focus, Energy (Accepted yesterday)	–	–	2022
2.	Siva Rama Krishna Madeti; Singh S N	Modeling of PV system based on experimental data for fault detection using kNN method	Solar Energy, Elsevier	173	139-151	2018
3.	Siva Rama Krishna Madeti; Singh S N	A comprehensive study on different types of faults and detection techniques for solar photovoltaic system	Solar Energy, Elsevier	158	161-185	2017
4.	Siva Rama Krishna Madeti; Singh S N	Online modular level fault detection algorithm for grid-tied and off-grid PV systems	Solar Energy, Elsevier	157	349-364	2017
5.	Siva Rama	Online fault	Energy,	134	121-135	2017

	Krishna Madeti; Singh S N	detection and the economic analysis of grid-connected photovoltaic systems	Elsevier			
6.	Siva Rama Krishna Madeti; Singh S N	Monitoring system for photovoltaic plants: A review	Renewable and Sustainable Energy Reviews	67	1180-1207	2017

13. Detail of patents.

S. No	Patent Title	Name of Applicant(s)	Patent No.	Award Date	Agency/Country	Status
1.	Remote Controlled Air Vehicle Based Sanitizing System with Payload Carrier	Garimella, Raghu Chandra; Madeti, Siva Rama Krishna	385365	29/12/2021	Government of India	Granted
2.	Wireless Monitoring of PV Module Characteristics	Madeti Siva Rama Krishna; Garimella, Raghu Chandra;	2021103489	20/6/2021	Australian Government	Published
2.	Unmanned Aerial Vehicle (UAV) based sanitizing system	Garimella, Raghu Chandra; Madeti Siva Rama Krishna;	2021106335	21/8/2021	Australian Government	Granted
3.	PUNARUPAYOG A DHANDA DIPA VYAVASTHA - A system that illuminates failed fluorescent tube light without a choke or ballast	Garimella, Raghu Chandra; Madeti, Siva Rama Krishna	2021103488	20/6/2021	Australian Government	Granted
4.	Unmanned Aerial Vehicle Based Fire Extinguisher	Garimella, Raghu Chandra	2021102606	16/5/2021	Australian Government	Granted

		Dr; Madeti, Siva Ramakrish na Dr; Upputuri, Ramanaiah Mr				
5.	DroneBot - A hexacopter based personal assistant	Garimella, Raghu Chandra Dr; Madeti, Siva Ramakrish na Dr	202010 2662	10/10/2020	Australian Government	Granted
6.	Portable Hybrid Power Bank	Garimella, Raghu Chandra Dr; Madeti, Siva Ramakrish na Dr	202010 0836	25/5/2020	Australian Government	Granted

14. Books/Reports/Chapters/General articles etc.

S. No	Title	Authors Name	Publisher	Year
1.	Reservoir Simulation Model for Design of Irrigation Project	Siva Rama Krishna Madeti	Elsevier	2021
2.	Advancements in Renewable Energy Development	Siva Rama Krishna Madeti; Garimella, Raghu Chandra	IEEE Press	2022