


Mrs. Ujjwala Rai

1. Personal Information			
(i)	Name	Mrs.Ujjwala Rai	Photo 
(ii)	Qualification	M.E. (Power Electronics)	
(iii)	Designation	Assistant Professor	
(iv)	Email-id	urai@sgsits.ac.in	
(v)	Employee No.	0905221	
(vi)	Department	Electrical Engg.	
(vii)	Experience	07 years	

2. Educational Qualification				
S. No.	Degree	Specialization	Year	University/Board
1.	M.E.	Power Electronics	2014	S.G.S.I.T.S, INDORE
2.	B.E.	Electrical Engineering	2011	R.G.P.V. Bhopal

Research Interests:
Renewable Energy System, Electrical machines, and Electrical Power System.

I. International Journal			
S.No.	Title of Research Paper	Name of Journal and Year/Issue No.	Remarks, if any
1.	"Modeling of Solar PV system under Partial Shading using Particle Swarm Optimization based MPPT",	International Research Journal of Engineering and Technology	Feb 2017, Vol. 04 Issue 02: pp. 431-437

(II) International Conference Publications			
S.No.	Title of Paper	Name of Conference	Place/Date
1.	Optimum Design of Controller Parameters for Automatic Generation Control Employing Hybrid Statistically Tracked Particle Swarm Optimization Algorithm	International Conference on Recent Developments in Electrical and Electronics Engineering	ICRDEEE 2022 pp. 27-40, Springer Nature Singapore.

IV. List of Conferences/Workshops/Seminars Organized/Online webinar	
1.	International Conference on Solar Thermal Technologies” jointly organized by Solar Energy Corporation of India Limited (SECI) and NSEFI-National Solar Energy Federation of India.
2.	Scopes of Effects of Renewable Energy Sources for Demand Site Energy Management under TEQIP-III, SGSITS, Indore.
3.	Advances in Power Electronics for sustainable development under TEQIP-II,SGSITS, Indore.
4	Solar Power-Policies Technology & Implementation conducted by Centre for Environment Protection Research & Development held at Indore.
5.	Real time Hardware in the loop (HIL) Simulation for power electronics and power system, OPAL-RT Technologies and SGSITS, Indore.
6.	Recent Trends in Electrical Engineering organized by Department of Electrical Engineering, SGSITS.
7.	Future of Work organized by School of Management Sciences, Lucknow.