

## 1. Personal Information

1	Name (in full with surname in capital letters)	DORA Venkata Mohana Murali Krishna
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## 2. Education Qualification:

	Subject Studied	Specialization
10 <sup>th</sup> / Equivalent		
Inter	MPC	
UG	EEE	
PG	EEE	Power electronics and power systems
M.Phil. / Other PG Degree		
Ph.D.		Power electronics
Post. Doc		

Others		Multi disciplinary engineering
<b>Willingness to be an expert member of AICTE committee:</b>		

**[Thomson Reuters / Web of Science (SCIE / SCI / ESCI)]  
Research Publications (Published / Accepted)**

Journals , Indexed , Th.Reuters, Web of Science, SCIE/ SCI/ESCI/SCOPUS and Impact Factor				In Conferences		No of Technical Reports
National / International	Title	Index	Impact Factor	National	International	
Interntional	Gate Control of Series Connected IGBTs Using Positive Current Feedback Technique		2			
Interntional	Statistical Approach to Robust Design of Control Schemes for Series or Parallel Connected Power Devices		2			
Interntional	Development of a Highly Efficient Photovoltaic Inverter of a Power Interntional Range of 100 to 500 kW		2			
Interntional	Photovoltaic inverter with high efficiency over a wide operation area - a practical approach		1.1			
Interntional	A Simplified Mathematical Model for DC-balancing and capacitor ripple		1.1			




### 7. Patent Status(IPO/EPO/USPO)

S. No.	Title	1 - Patent filed	2- Patent Published	3 – Patent accepted	Date of Award	Patent No.
1	Control algorithms for 4-leg inverter based large 3 phase UPS systems (3 or 4 line input) for (1) Neutral current cancellation. (2) Sinusoidal input currents for unbalanced and nonlinear loads & (3) sinusoidal input currents in free running mode.			3		237238
2	Harmonic reduction at fractional loads in large UPS systems			3		232367

### b) Research Projects Received (As PI / Co PI)

S. No.	Title of the project	No. of Projects received (External)			No. of Projects received (Internal)			PI / Co. PI
		Sponsors	Amount sanctioned	Progress	Sponsors	Amount sanctioned	Progress	
1	Development of High Efficiency solar central inverter	BMBF Germany	170000 Euros (approx)	Completed				Co. PI
2	Development of storage based resistace Spot welding Machine	BmBF Germany	200000 Euros (approx)	Completed				Co. PI
3	Embedded	STATCON-	300000 Rs+	Ongoing				

	Control system development for Grid export PCU	ELECTRONICS – NOIDA	Royalty					
4	Mother board development for medical Diagnostic equipment	CHART- Hyderabad	150000 Rs	Completed				