

## FACULTY PROFILE

1. **Name** :Dr P H S T Murthy
2. **Designation** :Professor
3. **Department** :ECE
4. **Date of Joining** :05-06-2017
5. **Nature of Employment:**Regular
6. **Date of Birth** : 25-08-1979  
**Unique ID (AICTE FID)** : 1-3540246801
7. **Email** : hstejomurthy@gmail.com
8. **Phone** : 7338491162
9. **Address for communication:**HNo-28-2-16,Phyrangula dibba .Eluru,wg dt



### 10. Educational Qualifications:

Qualification	Institute	University/ Board	Specialization	Year of Passing	Division/ Class
Ph.D.	GITAM Institute of Technology	GITAM University	VLSI	2013	-
PG	Sathya Bama Institute of Technology	Sathya Bama University	Applied Electronics	2004	Distinction
UG	Sir CRR College of Engineering	Andhra University	ECE	2001	First
Inter/Diploma	Helapuri Junior college	IPE	MPC	1996	Distinction
SSC	Town High school	SSC	-	1994	Distinction

### 11. Work Experience:

Teaching:18

Research:8

Industry: 1

Total:19

Name of the Organization	Designation	Date From	Date To
Sir CRR College of Engineering	Assitant Professor	May 2004	April 2007
GMRIT	Sr Assitant Professor	May 2007	October 2007
GITAM University	Assitant Professor	November 2007	April 2015
STJIT, Rane bennur	Professor	May 2015	June 2017
Sir CRR College of Engineering	Professor	June 2017	Till date

### 13. Courses taught:

S.No.	Name of the subject	UG/PG
1	VLSI	UG And PG
2	Signals And systems	UG

3	Digital signal processing	UG
4	Advanced digital signal processing	UG
5	Digital Image Processing	PG
6	Digital Electronics	UG
7	PDC	UG

#### 14. Administrative Responsibilities:

S.No.	Description	College/ Department level
1	NBA Coordinator	Department
2	Department committee member	Department
3	Course coordinator	Department

#### 15. Research Guidance:

M.Tech.		Ph.D.	
Completed	Ongoing	Completed	Ongoing
12	1	-	1

#### 16. Research Publications in Journals (National/International):

S.No.	Author(s) Name	Title of the Paper	Name of the Journal	National/International	Month & Year	Volume, Issue No, Page Nos	UGC/ Web of Sciences / Scopus/ SCI/Others
1	P H s T Murthy, I sreeniva sa Rao, Dr V Mallesw ara Rao	Simulati on of mirror adder circuit	International Journal of computational Intelligence & Health Care Informatics	Internatio nal	2019	2,1	Google scholar
2	P H s T Murthy, Dr V Mallesw ara Rao	5T Clocked carry look ahead adder	IJEST	Internatio nal	2010	2,6	Google scholar
3	P H s T Murthy, Dr V Mallesw ara Rao	FTL Based 2 stage carry look ahead adder	IJCA	Internatio nal	March ,2011,Vo l 17, pp 0975 – 8887	17,6	Google scholar

4	Medapati premakumar, Dr P H S T Murthy, B Rajesh Kumar	Impulse noise reduction using Vector median filter	IJCA	International	March,2011, Vol 17 pp20-22	17.1	
5	Dharmireddy Ajay Kumar, P.V.T. Loakesh Kumar, P.H.S Tejomurthy	“Design of A NEMS Cantilever Sensor for Explosive Detection”	International Journal of Engineering and Advanced Technology (IJEAT)	International	2019	Vol.8, Issue-6S2	Scopus
6	Ch.Jaya Prakash, Dr PHS Tejomurthy, sunita	A soft error tolerance technique for combinational circuit using D FF Based on selective Transistor Redundancy	IJRAR	International	2019	VOL 6, ISSUE 2, 473-477	others
7	Ch.Jaya Prakash, Dr PHS Tejomurthy, Raji	Floating-point butterfly architecture based on redundant number system and Fused-Dot-Product-Add unit	IJAERD (International Journal of Advance Engineering and Research Development)	International	2017	VOL 4, 11, 60-66	Others
8	D Raja Ramesh, B Mahesh, PHS T Murthy	FPGA based Implementation & verification of h.264/avc encoder	IJET	International	2018	VOL 7, 3, 737-740	Others
9	Dr. P.h.s.tejomurthy	comparative analysis for lead free piezoelectric material for ultrasonic glucose series		International	2018	--	-
10	Dr. P.h.s.tejomurthy, dajay kumar	performance analysis of tri-gate soifinfinet structure with various fin heights using tcad simulation	ijardcs	International	2018		Scopus
11	Anjani devi, n.; lokesh, t.;	Journal of computational and		americanscientificpublishers	2019-20	volume 17, numbers 9-10	Scopus

	tejomurthy, h. S. P.	<b>theoretical nanoscience,</b>					
12	prema kumar medapati 1 p.h.s. Tejo murthy2	<b>For iot- based face recognition system to manage the safety factor in smart cities received</b>			11 november 2019	doi: 10.1002/ett.38 43	cited:8
13	p.v .t.lokesh kumar, p.h.s tejomurthy, dharmiredd yajay kumar	<b>Design of a nems cantilever sensor for explosive detection</b>	Ijeat	international journal of engineering and advanced technology (ijeat)	august 2019	issn: 2249 – 8958, volume- 8, issue-6s2,	
14	N. Anjani devi, t. Lokesh, h. S. P. Tejomurth y, s. Rao ijjada	<b>design and modelling of low power 14nm single finsoi-tg- finfet with powweeer gating technique to lowebeer the powweeer dissipation in stand-by mode</b>			2019-2020	<a href="https://doi.org/10.37418/amsj.9.7.33">https://doi.org /10.37418/ams j.9.7.33.</a>	
15	Anjani devi, n. 1 ; lokesh, t. 2 ; tejomurthy, h. S. P. 2 ; ijjada, sreenivasa rao	<b>3compact modeling of capacitance based 14 nm triple gate finfet using verilog- a,source: Journal of computation al and theoretical nanoscience</b>	Journal of computational and theoretical nanoscience,	American scientific publishers,doi : <a href="https://doi.org/10.1166/jctn.2020.9278">https://doi.or g/10.1166/jct n.2020.9278</a>	september/oct ober 2020	volume 17, numbers 9-10, september/oct ober 2020, pp. 4553-4558(6)	
16	An jani devi, t. Lokesh, h. S. P. Tejomurth y, s. Rao ijjada,	<b>design and modelling of low power 14nm single finsoi-tg- finfet with power gating technique to lower the power dissipation in stand-by mode</b>		<a href="https://doi.org/10.37418/amsj.9.7.33">https://doi.or g/10.37418/a msj.9.7.33</a>	2020-21		

### 17. Research Papers in Conferences (National/International):

S.No	Author(s)	Title of the Paper	Name of	National	Month	Page
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.	Name		the Conferen ce/Journ al	/ Internat ional	& Year	Nos
1	P. H. S. Tejomurthy , Nikhil, Venkatesh, Phani Varma, Sudhir, Sowndarya	Image Captioning Based On Deep Neural Network	NCAIM	NATION AL	16th - 17th JULY 2021	32
2	P.H.S. Tejomurthy , D. Abhishek Datta, B. Rajasekhar, K. Adi Lakshmi, G. Laya, Ch. Harish	Design And Verification Of AMBA AHB-Lite Protocol	NCAIM	NATION AL	16th - 17th JULY 2021	29
3.	P.H.S. Tejomurthy ,srinivas Rao	Fabrication & characterization of NEMS based piezoresistive cantilever for the detectiuon of change in resistance with time at differrn experiments condition using omnicant	ICETETS( IEEE)	INTERN ATIONA L	2016	140-145
5			Icact- 2019			
6			Icact			
7			Icact			
8	P.H.S. Tejomurthy ,srinivas Rao	CHARECTERIZTION OF NEMS/MEMS based characterization of NEMS based piezoresistive cantilever for the detectiuon of change in resistance with time at differrn experiments condition using omnicant	ICNANO- 2016	INTERN ATIONA L	2016	12261- 12270

**18. No of Books Published:**

S.No.	Author(s) Name	Title	Publisher	ISBN	Year of Publishing

**19. Workshops/ FDPs/STTPs /etc., (Organised):**

S.No.	Name of the Workshop/ FDP/STTP/ etc.,	Place	Period	
			From	To
1	FDP	SIRCRR COE, ELuru		
2	NCAIM2021	SIRCRR COE		
3	ICACT 2019	SIRCRR COE		
4	Fpga based system design using verilog	SIRCRR COE	6-10-2017	7-10-2017

**20. Workshops/ FDPs/STTPs/ etc., (Attended):**

S.No.	Name of the Workshop/ FDP/STTP/ etc.,	Place	Period	
			From	To
1	Fpga based system design using verilog	SIRCRR COE	6-10-2017	7-10-2017
2				
3				

**21. Sponsored Projects:**

S.No.	Title	Sponsored by	Amount	Period	Ongoing/ Completed
1	Young scientist Project	DST-SERB	36,16,000/-	2015-18	Completed

**22. Consultancy Projects:**

S.No.	Title	Agency	Amount	Period	Ongoing/ Completed
1	Validation of stack data	HPCL	59,000	3 months	Completed
2	MIL std 1553 implementation	Adept chips	1,00,000	1 year	Completed

**23. No of Patents (Filed/Granted):**

S.No.	Title	Application Number	Year	Filed/Granted
1	Fish pond automation	19959 CBR	2019	Filed
2	Live startup circuit for BGR	202041052318A2020	2020	Granted

**24. Awards/HonoursReceived:**

S.No.	Award Name	Awarded by	Contribution	Date Received
1	Best paper	FCES-19	Paper	13/04/2019

**25. Professional Memberships:**

S.No.	Name of the Professional Body	Membership No.	Membership Type
1	IEEE	97537361	Annual

**26. Membership in BOS/ Editorial Boards:**

S.No.	Name of the University/ Journal	Member/ Editor/ Reviewer	Period

**27. Details of Personal Blogs/ Educational Youtube Channels/ e content (if any):**

<https://www.youtube.com/channel/UCeITstTxMDDL4qf28qUi9Gg>

**28. Details of Innovative Design/ Development of Product or Model (if any):**

**Fish Pond Automation**

**29. Technology Transfer: fish pond automation****30. Special Achievements (If any):****31. Personal Details:**

- (a) Father's Name : P Lakshmana Rao  
(b) Mother's Name :Kanaka Malleswari  
(c) Gender : Male  
(d) Marital Status : Yes  
(e) Religion :hindhu  
(f) Nationality : Indian

Signature