

Faculty Information



Brief Profile of Faculty in Less than 500 words

Graduated in B.Sc.,(Maths, Physics, Electronics) from SR & BGNR Govt. College, Affiliated to Osmania University, Khammam, Telangana, India, obtained distinction in 1979-1982, Obtained Post Graduate Degree, M.Sc. Tech. Applied Electronics (3-Years duration) 1982-1985, got trained in many aspects of Physics & Electronics Engineering, Submitted “Computer Aided Design” A Project based on Zilog-80 Microprocessor towards partial fulfillment of M.Sc. Tech. Applied Electronics Degree Course to Osmania University in Oct 1985. Registered for Ph.D., in Applied Electronics in 1986 and carried out a Project Alternate to Storage Oscilloscope in Study of Microprocessor Status Signals. Qualified through SLET (Electronics), Obtained PGDCS from University of Hyderabad, India.

Started Career as Lecturer in Electronics At SV Degree College, Govt. Aided & affiliated to Osmania University, Suryapet, TS 1986-1986. Worked as Lecturer in Electronics at St. Ann’s College for Women, affiliated to Osmania University, Mehdiapatnam, Hyderabad, 1986-1988 Worked as Lecturer in Electronics at Institute of Electronics & Telecommunication Engineers, Hyderabad, TS, India. 1988-1989 Discontinued Ph.D., due to Employment at National Council of Science Museums as Curator-B (Physics) and carried out designed & developed several Popular Science Exhibits for NCSM 1989-1991.

Worked as Lecturer in Electronics at Sri Rama Chandra Arts & Science College Aided & Permanently affiliated to Osmania University teaching B.Sc., Electronics, Physics, Computer Science, BCA- EEE, FIT, SAD, C/ C++, OOAD, ST&M 1993-2007.

Re-registered for Ph.D., in Physics and received Ph.D., Degree “Experimental Techniques to detect, Capture and Analyze Acoustic Emission Signals from Ferroelectric Ceramics”, JUL 2011. Published research work in reputed International Journals. Visited & Attended several UGC Refresher Courses, SERC School Courses at IISc, Bangalore, NPL, New Delhi and at University of Hyderabad.

Teaching Post Graduation M.Sc., Physics, Electronics & Communication and Computer Science and Hardware Subjects at Nizam College, A Constituent College of Osmania University 2003 to till date.

Member **NDT.net 20121** and Life Member **ISC L 34609**.

Faculty Information

Detailed CV



Ph

1. Personal Details

Name of the faculty	Dr. R. Saranga Pani
Gender	Male
Department	Department of Physics, Nizam College, O.U.
PAN	AMDPR7135A
Designation	Asst. Professor (C)
Qualification	M.Sc.Teech Applied Electronics, PGDCS, SLET(Electronics), Ph.D.,
Date of Joining (Submit Appointment Letter)	04/08/2003
Date of Birth	10/01/1960
Category	BC-B (21), OBC
Mobile Number	8121176356
E-Mail Id	dradhasarang@yahoo.co.in
Address	H.No. 2-3-643/1/A, Flat No. 102, Thirumala Emerald, Premnagar, Amberpet, Hyderabad -500 013, TS.

2. Academic details:

Degree	Qualification	Month and Year of Passing	Division	% of Marks	Univ/Board/ Institution with State
PG (M.A./M.Com/ M.Sc/M.Tech/ MBA/ MCA/Any other)	M.Sc.Tech., Applied Electronics	Oct 1985	First	64%	OsmaniaUniversity
CSIR/UGC-NET /SELT/Any other	SLET (Electronics)	1997	Qualified	-	APCSC/UGC
Any other	PGDCS	1999	Second	56%	University of Hyderabad
Research details	Title of Thesis			Month and Year of award	Univ/Board/ Institution with State
M.Phil					
Ph.D	Experimental Techniques to detect and Analyze Acoustic Emission Signals from FerroElectric Ceramics			2011	Osmania University
Post Doctorial/ D.Sc./D.Litt.					
Any other	Radio Apprenticeship			1981	ITES/Bombay
*Please provide the scanned copies of certificates					

3. Teaching Experience: Total: 33 Yrs UG: 33 Yrs PG: 17 Yrs

4. Academic Promotions:

Designation	Month and Year of Promotion
Associate Professor	
Professor	
* Please provide order copies	

5. Resource persons:

Guest Lectures/ Extension Lectures	No. of Lectures	Name of Program	Organization / Institution	Date and Year
Microprocessors	06	M.Sc., Instrumentation Extension Lectures	PG Center, Nalgonda, Osmania University	
* Please provide the certificates or letter of invitation				

6. Carrier Development Programs: Orientation Course/ Refresher courses/Short Term Course/Faculty Development Programme

Course attended	Institution /University	Title of the Professional Development Programme	Duration	
			From	To
UGC Refresher Course	IISc, Bangalore	Vacuum & Thin film Technology	12 Dec 1994	24 Dec 1994
UGC Refresher Course		Analytical Instrumentation	13 Feb 1995	24 Feb 1995
UGC Refresher Course	UOH, Hyderabad.	Computer Applications	19 Aug 1999	08 Sept 1999
SERC School	NPL, New Delhi.	Precision Time, Frequency & Measurement	04 Dec 2000	23 Dec 2000
Workshop	Nizam College ,OU, Hyderabad	Innovative Class Room Strategies	20-05-2009	20-05-2009
Refresher Course	A.P. Acad. of Sc, Indian National Sc. Acad, National Acad. of Sciences, India & Dept. of Physics, O.U., Hyderabad	“Experimental Physics”	26 Jun 2009	10 Jul 2009
Workshop	Dept. of Physics, Nizam College, OU	Embedded Systems	30 Aug 2010	03 Sept 2010
* Please provide the certificates				

7. Research Details:

Research Experience (No. of years):	1986-2011: 25 Years		
Area of research :	Microprocessors, Microcontrollers & Acoustic Emission Studies.		
Supervisor for M.Phil/Ph.D (Guideship Letter)			
No of students working/Registered	Ph.D: F: M:		
No. of students with fellowship (JRF)	M:	F:	Total:
No. of students with fellowship (SRF)	M:	F:	Total:
No. of students with fellowship (Project fellow)	M:	F:	Total:
No. of students with any other fellowship	M:	F:	Total:
No of students working for M.Phil.	M:	F:	Total:
No of students working as Post.docs.	M:	F:	Total:
No of students working as RA	M:	F:	Total:
No. of M.Phil/Ph.D. Produced	Ph.D: M: F: Total:		M.Phil: M: F: Total:
Name of Students awarded. M.Phil/Ph.D	Title of Thesis	Month and Year of Registration	Month and Year of Award
1.			
2.			
* Please provide the list of students registered, along with their category and fellowship details			

8. Total No. of Research Publications:**International:****National:****8.1 List of publications(## If possible use MS-Excel file which is attached as separate file)**

SNo	Title of Paper	Name of the Authors	Name of the Journal	Volume and Page No	Month and Year of Publication	Peer reviewed/ Non Peer reviewed	Impact factor	National/ International	ISSN No.	UGC Journal No	Citation index (SCI./S COPUS /Web of Science/ ICI	No. of citation excluding self citation	h-index	Institutional affiliation as mentioned in publication
1	Alternate to Storage Oscilloscope in study of Microprocessor Status Signals	Suresh Babu, R. Saranga Pani, S.G. Sathyan	Journal of Instrument Society of India	35, 13-16	1997	Peer reviewed		National						Dept .of Physics, O.U.
2	Acoustic Emission	R. Saranga Pani,	Ind. J. of Pure and Applied	35, 13-16	1997		0.521		0975 - 1041 0019					Dept .of Physics,

	Studies on Porous Aluminum Oxide films	J, Samapth Kumar, D.V.K. Sastry, S.P.M allikarjun Rao	d Physics						- 5596					O.U.
	Cost effective Real Time software Application Modules for the Acoustic emission Laboratory,	Rallabandi Saranga Pani	e- Journal of Non destructive Testing , NDT.net World wide		April 2010		Very High		ISSN 1435 - 4934					Dept . of Physics, Nizam College, O.U.
	“Computer Aid	R. Saranga Pani	International Journal of	Volum e 5, Issue 6, Page			2.24		ISS N 2349 -		www.ijetmas.com			

	ed Bandwidth Studies ”		Engineering Technology, Management and Applied Sciences	871- 878.					4476					
	“Computer Aided Hysteresis Studies ”	R. Saran ga Pani	International Journal of Engineering Technology Science and Research IJETSR	Volume 4, Issue 6 June 2017, Page 722- 729.			2.12		ISSN 2394 – 3386		www.ije tsr.com			
	Computer Aided Phase Transition Stu	R. Saran ga Pani	International Journal of Computer & Mathematical Sciences IJCMS	Volume 6, Issue 6 June 2017, Page 181- 192.			2.58		ISSN 2347 – 8527					

	dies													
	Co mpu ter Aid ed Poli ng Stu dies	R. Saran ga Pani	Intern ational Journ al of Engine ering Techn ology, Manag ement and Applie d Scienc es	June 2017, Volum e 5, Issue 6, Page 879- 888.			2.24		ISS N 2349 - 4476		www.ij etmas.c om			
	Co mpu ter Aid ed Par ame ter doc.	R. Saran ga Pani	Internat ional Journal of Enginee ring Technol ogy Science and Researc h IJETSR	Volume 4, Issue 6 June 2017, Page 599- 605.			2.12		ISSN 2394 - 3386		www. ijetsr.co m			

* please provide the PDF or scanned copy of the articles along with ISSN no. and DOI

9. List of Publication in Conference proceedings:

SNo	Title of Paper	Name of Conference	Name of the Publisher	Month and Year of Publication	ISBN No.	State/National /International	Affiliated institute at the time of publication
1	Computer Aided Bandwidth Studies	4th International Conference on Research Trends in Engineering, Applied Science and Management (ICRTESM-2017) at (IETE,Hyderabad)	Conference Information Academic Sciences, www.conferenceinfo.org www.academicscience.co .	24th June 2017	ISBN: 978-81-934083-5-3, Page 501-508	International	Nizam College, Osmania University
2	Computer Aided Hysteresis Studies	4th International Conference on Research Trends in Engineering, Applied Science and Management (ICRTESM-2017) at (IETE,Hyderabad)	Conference Information Academic Sciences, www.conferenceinfo.org www.academicscience.co .		ISBN: 978-81-934083-5-3, Page 354-361	International	Nizam College, Osmania University
	Computer Aided Phase Transition Studies	4th International Conference on Research Trends in Engineering, Applied Science and Management (ICRTESM-2017) at (IETE,Hyderabad)	Conference Information Academic Sciences, www.conferenceinfo.org www.academicscience.co .		ISBN: 978-81-934083-5-3,Page 20-31	International	Nizam College, Osmania University
	Computer Aided Poling Studies	4th International Conference on Research Trends in Engineering, Applied Science and Management (ICRTESM-2017) at (IETE,Hyderabad)	Conference Information Academic Sciences, www.conferenceinfo.org www.academicscience.co .		ISBN: 978-81-934083-5-3, Page 509-518	International	Nizam College, Osmania University
	Computer Aided Parameter doc	4th International Conference on Research Trends in Engineering, Applied Science and Management	Conference Information Academic Sciences, www.conferenceinfo.org www.academicscience.co .		ISBN: 978-81-934083-5-3, Page 509-518	International	Nizam College, Osmania University

		(ICRTESM-2017) at (IETE, Hyderabad)					
* please provide the PDF or scanned copy of the articles along with ISBN no. and DOI							

10. List of Books Published:

S.No	Title of Book/Chapter	Edited/ Authored	Name of the Publisher	Month and Year of Publication	ISBN No.	State/National /International	Affiliated institute at the time of publication
1							
2							
* please provide the PDF or scanned copy of the first page along with ISBN no.							

11. Member on editorial board or referee for national/international

S.No.	Name of the Journal	Status on the editorial Board	ISSN Number	Periodicity of Publication	Month and Year of Inception of Journal	Impact factor
1.	Journal of Computational Electronics	Reviewer	1569-8025 1572-8137	Quarterly		1.56
* Please provide the certificates or e-Copy of letter from editor or editorial board						

12. No. of Papers Presented in Conference/workshop/seminars: (Oral/Poster)

SNNo	Title of the paper	Name of Conference/ workshop/ Seminars	Oral/Poster	Organized by	Date and year	State/National /International	Oral/ Poster
1	“Innovative Classroom Strategies in Teaching Physics”	Innovative Classroom Strategies, NAAC Preparation- 2009	Oral/	Nizam College, Osmania University, Hyderabad	20.05.2009	State/	Oral
2	Cost effective Real Time Software Application Modules for the Acoustic emission Laboratory	India Singapore Joint Physics Symposium-2010” (ISJPS-2010)	Oral &Poster	University of Hyderabad & National University of Singapore.	19 th -21 st February-2010	International	Oral &Poster
	Computer Aided Acoustic Emission Studies	International conference on “Recent Trends in Nano and Bio-Sciences” (ICORTNBS-2010)	Oral &Poster	Department of Physics, P.G College of Science,	24 th -26 th Feb 2010	International	Oral &Poster

				Saifabad, Osmania University, Hyderabad.			
	Ultrasonic Pulse Generator for Acoustic emission studies	National Seminar on Teaching & Research in BioPhysics	Oral	Dept. of Physics, Nizam College, O.U., Hyderabad.	28 th Feb 2011	National	Oral
	Characterization of Ferroelectric / Piezoelectric ceramic Using NDT Methods – I “Computer Aided Hysteresis Studies	International conference on Nano, Bio and Material sciences (ICONBMS)	Oral	Dept. of Physics, Nizam College, O.U., Hyderabad.	08-10 Jan 2014	International	Oral
	Characterization of Ferroelectric / Piezoelectric ceramic Using NDT Methods – III “Computer Aided DC-Poling”, R. Saranga Pani	International conference on Nano, Bio and Material sciences (ICONBMS)	Oral	Dept. of Physics, Nizam College, O.U., Hyderabad.	08-10 Jan 2014	International	Oral
	Characterization of Ferroelectric / Piezoelectric ceramic Using NDT Methods – IV “Computer Aided Phase Transition Studies	International conference on Nano, Bio and Material sciences (ICONBMS)	Oral	Dept. of Physics, Nizam College, O.U., Hyderabad.	08-10 Jan 2014	International	Oral
	Computer Aided Band-width Studies	International conference on Nano, Bio and Material sciences (ICONBMS)	Oral	Dept. of Physics, Nizam College, O.U., Hyderabad.	08-10 Jan 2014	International	Oral

	Computer Aided Bandwidth Studies	4th International Conference on Research Trends in Engineering, Applied Science and Management (ICRTESM-2017) at (IETE,Hyderabad)	Oral ISBN: 978-81-934083-5-3, Page 501-508	Conference Information Academic Sciences, www.conferenceinfo.org www.academicmicsscience.co at Institution of Electronics and Telecommunication Engineers, O.U. Campus, Hyderabad	24th June 2017	International	Oral
	Computer Aided Hysteresis Studies	4th International Conference on Research Trends in Engineering, Applied Science and Management (ICRTESM-2017) at (IETE,Hyderabad)	Oral ISBN: 978-81-934083-5-3, Page 354-361	Conference Information Academic Sciences, www.conferenceinfo.org www.academicmicsscience.co at Institution of Electronics and Telecommunication Engineers, O.U. Campus, Hyderabad	24th June 2017		
	Computer Aided Phase Transition Studies	4th International Conference on Research Trends in Engineering, Applied Science and Management (ICRTESM-2017) at (IETE,Hyderabad)	Oral ISBN: 978-81-934083-5-3,Page 20-31	Conference Information Academic Sciences, www.conferenceinfo.org www.academicmicsscience.co at Institution of	24th June 2017		

				Electronics and Telecommunication Engineers, O.U. Campus, Hyderabad			
	Computer Aided Poling Studies	4th International Conference on Research Trends in Engineering, Applied Science and Management (ICRTESM-2017) at (IETE,Hyderabad)	Oral ISBN: 978-81-934083-5-3, Page 509-518	Conference Information Academic Sciences, www.conferenceinfo.org www.academicscience.co at Institution of Electronics and Telecommunication Engineers, O.U. Campus, Hyderabad	24th June 2017		
	Computer Aided Parameter doc	4th International Conference on Research Trends in Engineering, Applied Science and Management (ICRTESM-2017) at (IETE,Hyderabad)	Oral ISBN: 978-81-934083-5-3,Page 231-237	Conference Information Academic Sciences, www.conferenceinfo.org www.academicscience.co at Institution of Electronics and Telecommunication Engineers, O.U. Campus, Hyderabad	24th June 2017		
* Please provide the certificates							

13. Conferences/ workshop/ seminars/Training Program etc organized.

SNo	Name of the Seminar	International/ National/State/University/College level	Date	No. of papers presented	No. of Participants		Source of funding/ Sponsoring Agency
					Nizam College	Other Institutions	

* Please provide the proof of organization and sanction letter for funding

14. Conferences/ workshop/ seminars/Training Program etc attended/participated.

S.No	Name of the Seminar attended	National/ International	Duration		Organized by	Funded/Not Funded	Funding agency	Amount
			From	To				
1	National Seminar on "New perspective in Materials",	National	22 Mar 2002	23 Mar 2002	Dept. of physics, Osmania University, Hyderabad.			
2	Workshop on "Innovative class room strategies", 20 May 2009	National			Nizam College, O.U., Hyderabad			
3	One day Workshop on "Teaching Optics in Degree Colleges",	National	5 th Jul 2008	5 th Jul 2008	Dept. of Physics, Nizam College, O.U., Hyderabad			
	National conference on "Recent Trends in Multi Functional Oxide Materials,	National	July 17 2009	July 18 2009	Dept. of physics, Osmania University, Hyderabad.			
	National Seminar on "Recent Trends Solid State Materials" (NSRTSSM-2010),	National	26 th Feb-2010	26 th Feb-2010	Dept. of physics, Osmania University, Hyderabad.			

	5-day Workshop on “Embedded systems for UG Teachers”,	National	30 th Aug 2010	3 rd Sept 2010	Dept. of Physics, Nizam College, O.U., Hyderabad			
	National Seminar on “Teaching & Research in Biophysics”, 28 Feb 2011				Dept. of Physics, Nizam College, O.U., Hyderabad			
* Please provide the certificates and sanction letter for funding								

15. Patents:

Total No. of Patents: _____ No. of Patents applied: _____ No. of Patents approved: _____

S.No	Month and Year	National/ International/ Commercialized	Country	Patent Information	Patent Filed/ Published /Granted	Patent Applicaton no./Grant No.
1						
2.						
* Please provide the copy of patent publication and Patent grant orders						

16. Research Projects:

Total No. Projects:

Major: -

Minor:

Title/Name of Project	Major /Minor	Funding Agency	Amount Granted (in Rs. Lakhs)	Amount Received (in Rs. Lakhs)	Duration	Date and Year	Status – Completed /Ongoing/ Sanctioned/ Submitted
Simple Matching Game (Digital IC based)	Minor	NCSM, Calcutta - 91					Completed
Sequential Matching Game (Digital IC based)	Minor	NCSM, Calcutta - 91					Completed
Multiple Choice Q/A Game (Digital IC based)	Minor	NCSM, Calcutta - 91					Completed
Radio Guide	Minor	NCSM, Calcutta - 91					Completed
9/2 Matching	Minor	NCSM, Calcutta -					Completed

Game		91					
Single Channel Slide Synchronous System (LM 339 based)	Minor	NCSM, Calcutta - 91					Completed
Development of an Exhibit with Robot	Minor	NCSM, Calcutta - 91					Completed
Speech recognition System	Minor	NCSM, Calcutta - 91					Completed
Microprocessor controlled Exhibits (Time-Share basis)	Minor	NCSM, Calcutta - 91					Completed
High fidelity Amplifier Design, 5-Watt	Minor	NCSM, Calcutta - 91					Completed
Audio-Guide	Minor	NCSM, Calcutta - 91					Completed
Power Map of India (μP-8085 based)	Major	NCSM, Calcutta - 91					Completed
Petroleum Map of India	Major	NCSM, Calcutta - 91					Completed
Persistence of Vision	Minor	NCSM, Calcutta - 91					Completed
* Please provide the scanned copy of sanction letter/ grant received orders/project closure orders							

17. Consultancy Projects:

Name of the Consultant	Name of the Consultancy Project	Consulting/Sponsoring Agency with Contact Details	Month and Year	Funds earned/ Revenue generated during last five years (in Rs.)*
* Audited statement of accounts indicating the revenue generated through consultancy				

18. Collaboration activities for research:

Title of the collaborative activity	Name of the Collaborating agency with contact details	Source of financial support	Month and Year of collaboration	Duration	Nature of activity
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* Audited statement of accounts indicating the revenue generated through consultancy					

19. Students Projects:

Total No.of Student Projects Guided:

S.No	Name of the student	Course	Title of the Project	Duration of the Project	Month & Year of the Award
* please provide copy of certificate page or certificate from Head/Principal					

20. Faculty visit abroad on academic purpose:

Institution Visited & Period of Visit	Country	Sponsoring of agency	Activity undertaken	Month and Year of Visit
* please provide invitations/sanction letters/grant received letter				

21. Awards / distinction received if any

Name of the award Received	International/ National/ State/University/District/College level	Nature of Award	Month & Year of the Award
M.Sc. Tech. Applied Electronics UGC-Student ship	University	Fellowship	Mar 1984- Oct 1985
* please provide copy of certificate			

22. International fellowship for advanced studies/research received if any

Name of the award	Month and Year of Award	Awarding agency
* please provide copy of certificate		

23. Faculty Distinction/Nominations to University/State/National/International bodies.

Membership / Distinction earned	Organization	University/State/ National/International Level	Month and Year
*please provide copy of offer letters/appointment orders			

24. Collaborative programs if any other University / Organization/ Industries

Name of Program	Nature of	Collaborating	Objectives of	Month and
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	Collaboration	organization and Country	MOU	Year
* please provide copy of MoU letter				

25. Innovation adopted in Teaching (If any, provide details.):

26. Participation in Curriculum design/BOS etc. (copy of minutes of meeting)

27. List of ICT modules prepared (Please provide soft copies of modules, url link/videos):

28. Social outreach programs conducted (If any, proof as photographs, videos, certificate of appreciation, etc):

29. Life Members of any bodies (provide membership details):

30. Extension activities and institutional social responsibility (If any, provide proof)

31. Contribution to environmental awareness and protection (If any, provide proof)

32. Please provide the details if any MoUs/Linkages (If any, provide MoU letter):

33. Any another relevant information:

SIGNATURE